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03/11/23



JOB # 21124

PHASE

Bid Documents

DATE 03/10/2023

SHEET TITLE

Cover Sheet



## VICINITY MAP

710 ROME STREET CARROLLTON, GA 30180

## HATCH LEGEND ELEVATION: NEW WALL

CONCRETE

GYP. BD. / STUCCO CLEAR GLASS BRICK SPANDREL GLASS SECTION: RIGID INSULATION ////// BRICK CMU

GYP. BD. / M.D.F. / SAND PLYWOOD PLYWOOD INSULATION

## XXX DOOR NUMBER XX **ROOM NUMBER** COLUMN GRID (XX) WINDOW TAG WALL TYPE CEILING ELEVATION 0' - 0" SHEET NO. **ELEVATION TAG** - DRAWING NO. DRAWING NO. SECTION TAG SHEET NO. DRAWING NO. DETAIL TAG

## PROJECT DIRECTORY

OWNER

Stephen Houser Director West Georgia Regional Library System 770 830 2233

ARCHITECT

770 365 1967

Michael Rickman RAD, Rickman Architecture + Design 224 W Montgomery St Villa Rica, Georgia 30180 radga.com

STRUCTURAL ENGINEER

Michael J. McCauley MJM Structural Engineering 114 Old Mill Road Cartersville, Georgia 30120 678 373 6691

MEP ENGINEER

Chris C. Esslinger Westside Engineering 237 Galleria Parkway, Suite 1150 Atlanta, Georgia 30339 westside-engineering.com 404 965 1287

CODE ANALYSIS

DRAWING INDEX

Cover Sheet

Construction Plan

Edge of Slab Plan

Architectural Site Plan

Reflected Ceiling Plan

**Building Elevations** 

**Building Elevations** 

**Building Sections Building Sections** 

**Building Sections** 

**Building Sections** 

Wall Section & Details

General Notes & Sections

Pavilion Foundation Plan

Pavilion Foundation Sections

Pavilion Foundation Sections

Pavilion Framing Sections

Pavilioin Framing Sections

Electircal Utility Plan

Electrical Specifications

Electrical Plans

Electrical Notes and Legend

Electrical Schedules and Riser

Metal Stud Connections & Sections

Axonometric Views

Axonomtric Views

Axonmetrics

General Notes

Pavilion Framing

3D Views

S3.1

E001

E002

E200

C-1.0 Topographic Survey

CD-1.0 Construction Details

Floor Plan

Roof Plan

This project is a new outdoor pavilion located near the Neva Lomason Memorial Library parking lot and will serve as outdoor gathering space for programs by the library.

PROJECT INFORMATION

## APPLICABLE CODES

Amendments (2020)

Amendments (2020)

International Building Code, 2018 Edition, with Georgia

International Fire Code, 2018 Edition, with Georgia

International Plumbing Code, 2018 Edition, with Georgia

International Mechanical Code, 2018 Edition, with Georgia

Amendments (2020) International Fuel Gas Code, 2018 Edition, with Georgia

National Electrical Code, 2020 Edition (No Georgia Amendments)

International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020)

Georgia Accessibility Code 120-3-20 (.01-.08)

NFPA 101 - Life Safety Code 2018 Edition with State Amendments (2013)

SUBCONTRACTORS WITH CONSTRUCTION DRAWINGS AND SPECIFICATIONS NECESSARY TO BID AND/OR CONSTRUCT THIS PROJECT. 2. ALL DIMENSIONS ON THE FLOOR PLANS, UNLESS OTHERWISE NOTED, ARE TAKEN FROM FACES OF STUDS OF EXTERIOR WALLS AND INTERIOR WALLS 3. THE OWNER SHALL BE RESPONSIBLE FOR NOTIFYING THE GENERAL CONTRACTOR OF ANY ADDITIONAL ITEMS TO BE INSTALLED THAT ARE NOT SHOWN ON THE DRAWINGS. 4. ANY PENETRATIONS OF, OR MODIFICATIONS TO CONCRETE MUST BE COORDINATED WITH ARCHITECT PRIOR TO CONSTRUCTION. 5. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND

(INCLUDING UTILITIES) WHICH WILL INTERFERE WITH NEW WORK.

8. COORDINATE WITH OWNER'S REPRESENTATIVE, LOCATION OF

GENERAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY ALL

PUBLIC AND/OR WORK PERSONS ON THE JOB AND TO PREVENT ADJACENT TO THE PREMISES. THE CONTRACTOR SHALL COMPLY ACCIDENTS.

CONTRACTORS' EQUIPMENT AND MATERIAL STORAGE. 9. ALL MECHANICAL WORK SHALL BE PERFORMED BY A LICENSED MECHANICAL CONTRACTOR AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS. 10. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR ALL IN ACCORDANCE WITH ALL

11. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS. 12. ALL STRUCTURAL FRAMING WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

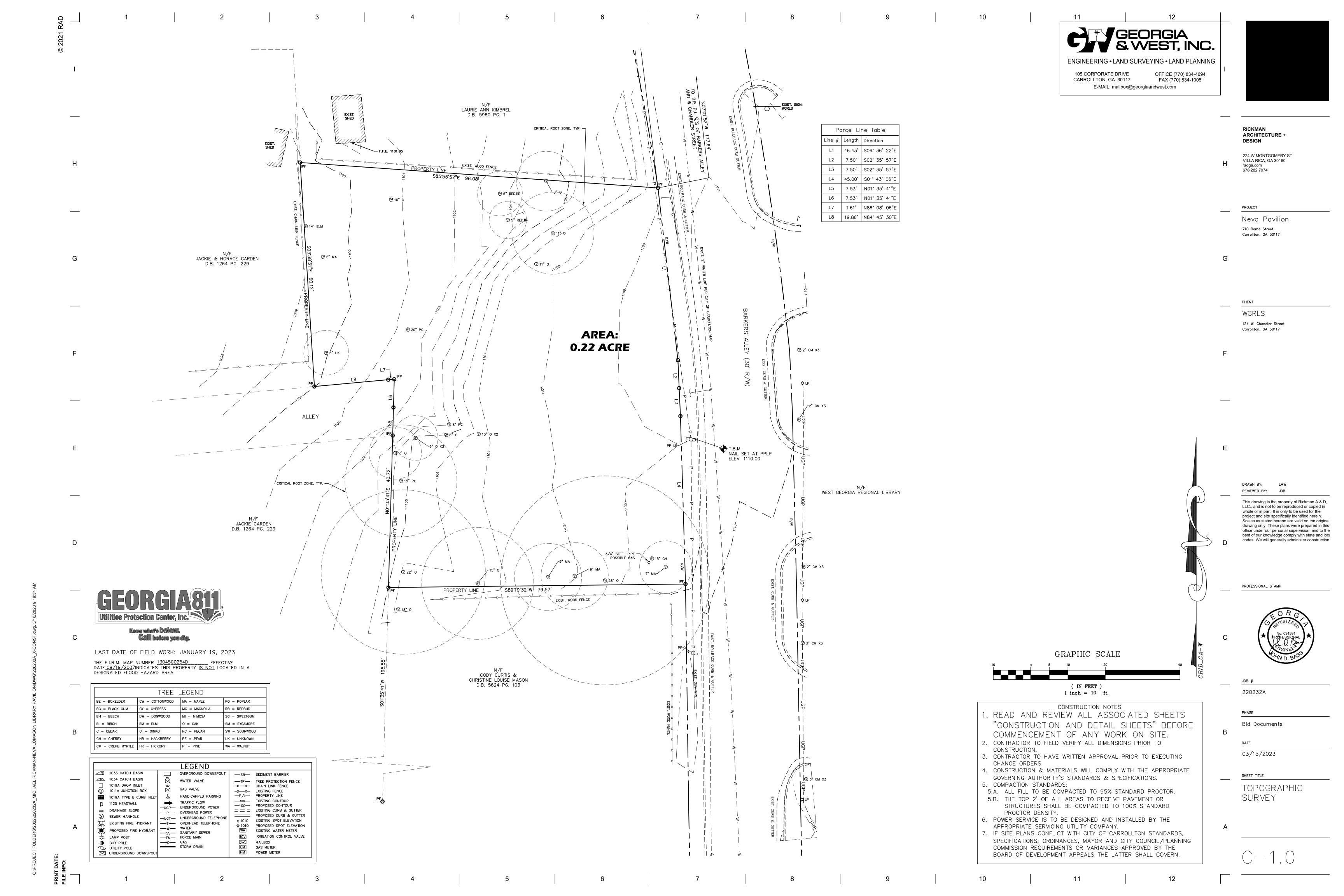
SYMBOLS LEGEND

COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE THE SAFETY OF THE ACCIDENTS OR INJURY TO ANY PERSON ON, ABOUT OR WITH ALL LAWS, ORDINANCES, CODES, RULES AND REGULATIONS RELATIVE TO SAFETY AND THE PREVENTION OF

6. WHETHER OR NOT SPECIFICALLY INDICATED ON THE DRAWINGS, ALL CONTRACTORS SHALL BE RESPONSIBLE FOR REMOVING OR DEMOLISHING EXISTING CONSTRUCTION 7. PRIOR TO THE SHUT-DOWN OR TYING INTO ANY UTILITY, APPROVAL SHALL BE OBTAINED FROM THE OWNER'S REPRESENTATIVE.

APPLICABLE CODES AND STANDARDS.

SHEET NO.



11

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12

105 CORPORATE DRIVE CARROLLTON, GA. 30117 E-MAIL: mailbox@georgiaandwest.com

REFER TO CONSTRUCTION PLAN FOR FINISH GRADES -6" SANDY LOAM TOPSOIL 2:1 SIDE SLOPES (TYP) FINISH GRADE SEE BOTTOM INFILTRATION -TRENCH GRADING PLAN, THIS SHEET GEOTEXTILE FABRIC GEOTEXTILE FABRIC -BOTTOM INFILTRATION TRENCH - SEE BOTTOM INFILTRATION TRENCH GRADING PLAN, THIS SHEET PROTECT FROM SOIL COMPACTION FOR MAXIMUM INFILTRATION — GEOTEXTILE FABRIC -#57 WASHED STONE -SCARIFY BOTTOM -INFILTRATION TRENCH SECTION A-A

N.T.S.

44/1 PROPERTY LINE GRADES SHOWN ARE INTERMEDIATE GRADES FOR **BOTTOM OF EXCAVATED** INFILTRATION TRENCH REFER TO CONSTRUCTION PLAN FOR FINISH GRADES GRADING CONTOURS AR 1099.527 & HORACE CARDEN 1264 PG. 229

BOTTOM INFILTRATION TRENCH GRADING PLAN

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RICKMAN

DESIGN

radga.com 678 282 7974

PROJECT

ARCHITECTURE +

224 W MONTGOMERY ST

VILLA RICA, GA 30180

Neva Pavilion

710 Rome Street Carrollton, GA 30117

WGRLS

124 W. Chandler Street

Carrollton, GA 30117

PROFESSIONAL STAMP



JOB #

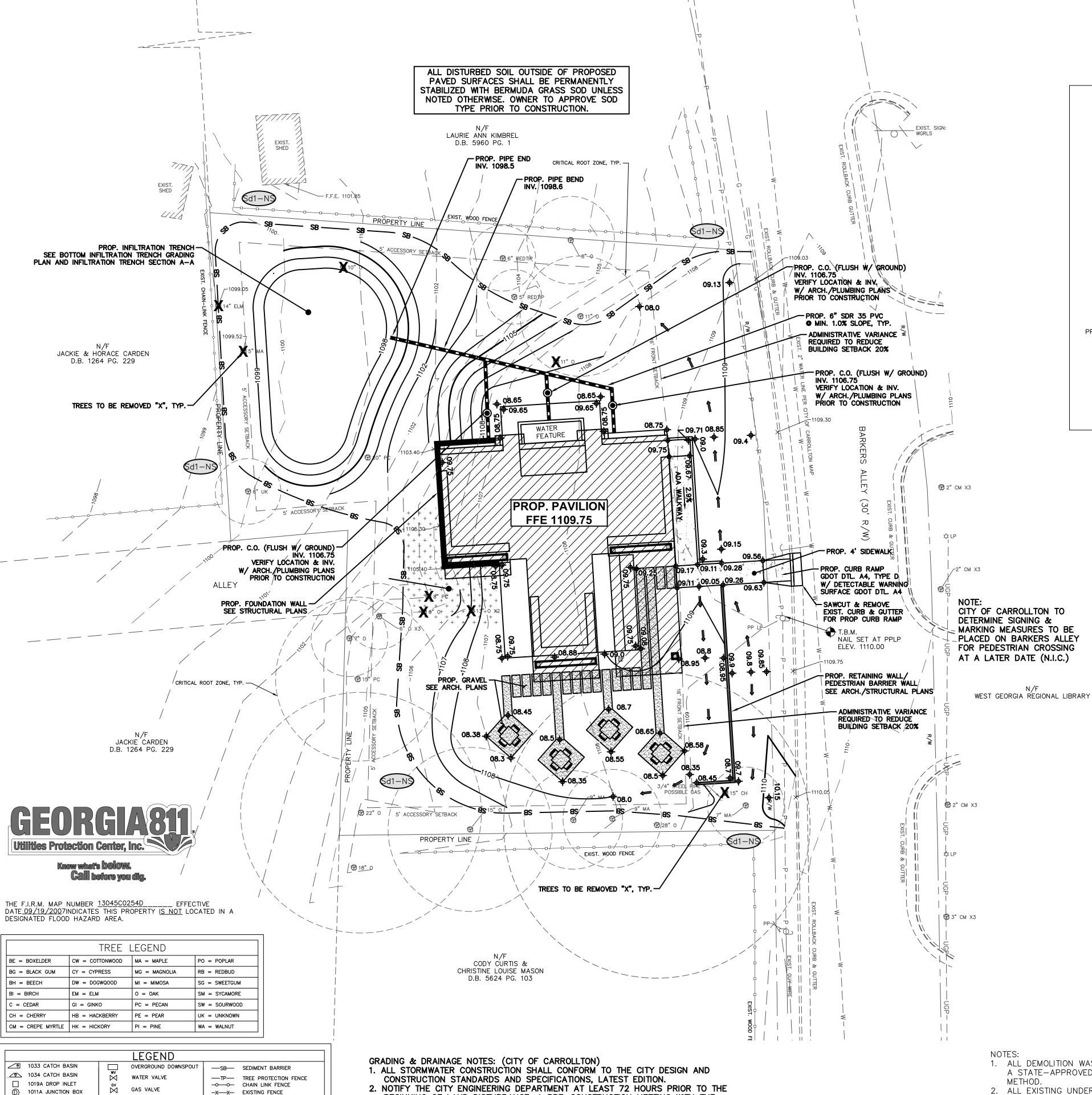
Bid Documents

03/15/2023

CONSTRUCTION

PLAN

C-2.0



2 3 4 5 6 7 8

A STATE-APPROVED LANDFILL OR OTHER APPROVED

10' OF PROP. BUILDING TO BE REMOVED.

3. BUILDING FOOTPRINT IS APPROXIMATE. SEE ARCHITECTURAL

4. ALL SIDEWALKS SHALL HAVE A MINIMUM 1% AND A

MAXIMUM 2% CROSS SLOPE.

6. ALL RETAINING WALLS OVER THIRTY (30) INCHES IN HEIGHT SHALL HAVE PEDESTRIAN GUARDRAIL (SEE ARCH. PLANS

1. ALL DEMOLITION WASTE SHALL BE DISPOSED OFF-SITE TO

2. ALL EXISTING UNDERGROUND UTILITIES UNDER OR WITHIN

PLANS FOR DIMENSIONS & DETAILS.

5. DIMENSIONS ARE TO BACK OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

FOR DETAILS).

6. THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

BEGINNING OF LAND DISTURBANCE. A PRE-CONSTRUCTION MEETING WITH THE

3. "AS-BUILT" DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A PROFESSIONAL

ENGINEER OR REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF GEORGIA.

REQUIREMENTS OF THE LOCAL LAND DISTURBANCE PERMIT AND NPDES GENERAL

CITY UTILITY INSPECTOR IS REQUIRED BEFORE CONSTRUCTION WORK BEGINS.

4. ALL CONTRACTORS FOR GRADING, EROSION CONTROL AND STORMWATER SYSTEM

5. CONTRACTORS HAVE THE RESPONSIBILITY TO COMPLY WITH EROSION CONTROL

CONSTRUCTION SHALL BE APPROVED BY THE CITY.

PERMIT IF APPLICABLE.

CITY OF CARROLLTON, NOV. 2007

—P/L— PROPERTY LINE

—100— EXISTING CONTOUR

MAILBOX

GAS METER

POWER METER

—100— PROPOSED CONTOUR

 $\equiv$   $\equiv$  EXISTING CURB & GUTTER

PROPOSED CURB & GUTTER

X 1010 EXISTING SPOT ELEVATION

+1010 PROPOSED SPOT ELEVATION

ICV IRRIGATION CONTROL VALVE

WM EXISTING WATER METER

HANDICAPPED PARKING

TRAFFIC FLOW

—UGP— UNDERGROUND POWER

—\_\_\_T—\_\_\_OVERHEAD\_TELEPHONE

—UGT— UNDERGROUND TELEPHONE

——SS— SANITARY SEWER

-FM- FORCE MAIN

STORM DRAIN

1019A TYPE E CURB INLET

EXISTING FIRE HYDRANT

PROPOSED FIRE HYDRANT

UNDERGROUND DOWNSPOUT

1125 HEADWALL

→ DRAINAGE SLOPE

S SEWER MANHOLE

LAMP POST

UTILITY POLE

3 4 5 6 7 8 9

BOARD OF DEVELOPMENT APPEALS THE LATTER SHALL GOVERN.

GRAPHIC SCALE

( IN FEET )

1 inch = 10 ft.

CONSTRUCTION NOTES

READ AND REVIEW ALL ASSOCIATED SHEETS

CONTRACTOR TO HAVE WRITTEN APPROVAL PRIOR TO EXECUTING

4. CONSTRUCTION & MATERIALS WILL COMPLY WITH THE APPROPRIATE

STRUCTURES SHALL BE COMPACTED TO 100% STANDARD

IF SITE PLANS CONFLICT WITH CITY OF CARROLLTON STANDARDS,

COMMISSION REQUIREMENTS OR VARIANCES APPROVED BY THE

SPECIFICATIONS, ORDINANCES, MAYOR AND CITY COUNCIL/PLANNING

COMMENCEMENT OF ANY WORK ON SITE.

CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO

GOVERNING AUTHORITY'S STANDARDS & SPECIFICATIONS.

5.B. THE TOP 2' OF ALL AREAS TO RECEIVE PAVEMENT OR

6. POWER SERVICE IS TO BE DESIGNED AND INSTALLED BY THE

5.A. ALL FILL TO BE COMPACTED TO 95% STANDARD PROCTOR.

"CONSTRUCTION AND DETAIL SHEETS" BEFORE

APPROPRIATE SERVICING UTILITY COMPANY.

CONSTRUCTION.

CHANGE ORDERS.

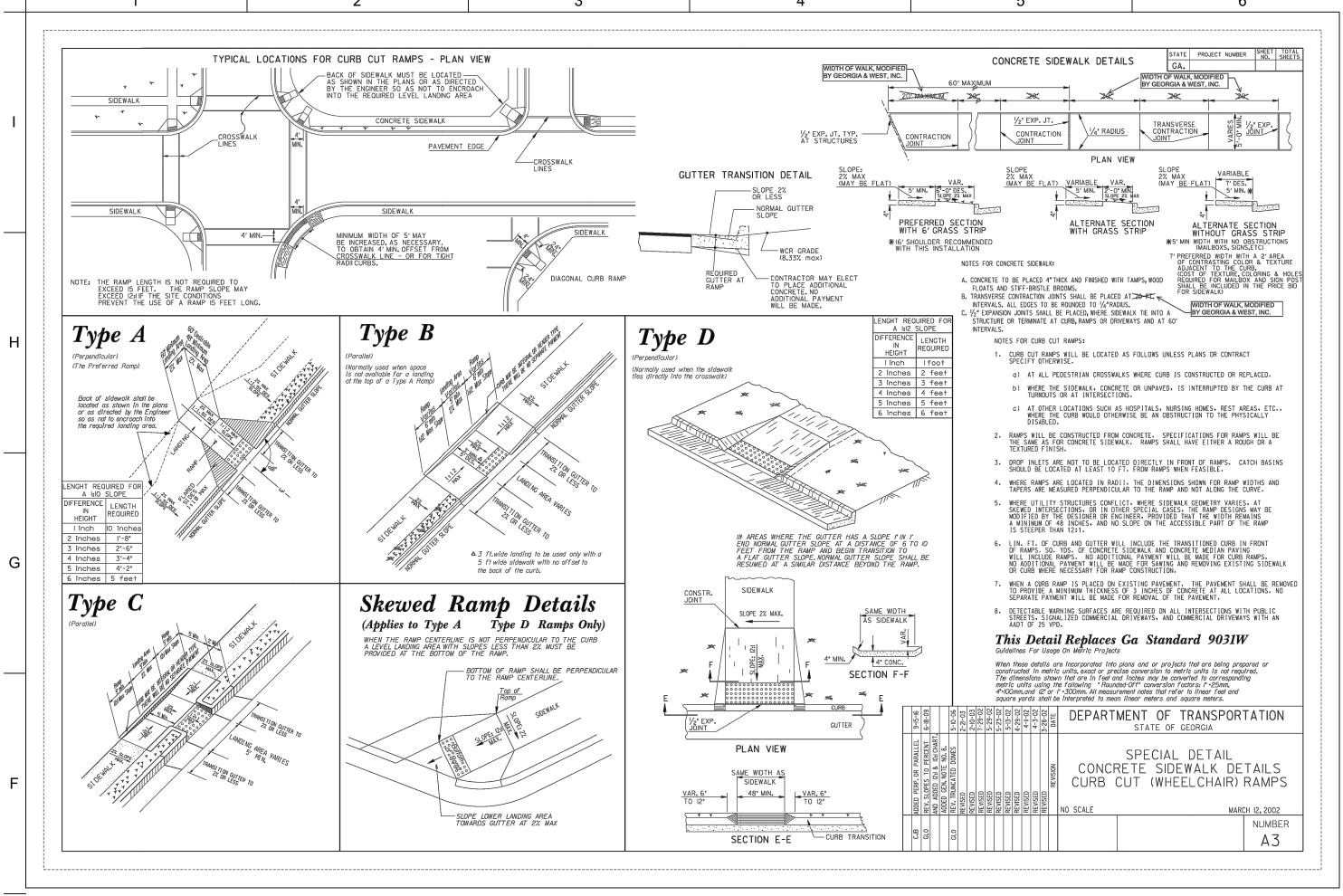
5. COMPACTION STANDARDS:

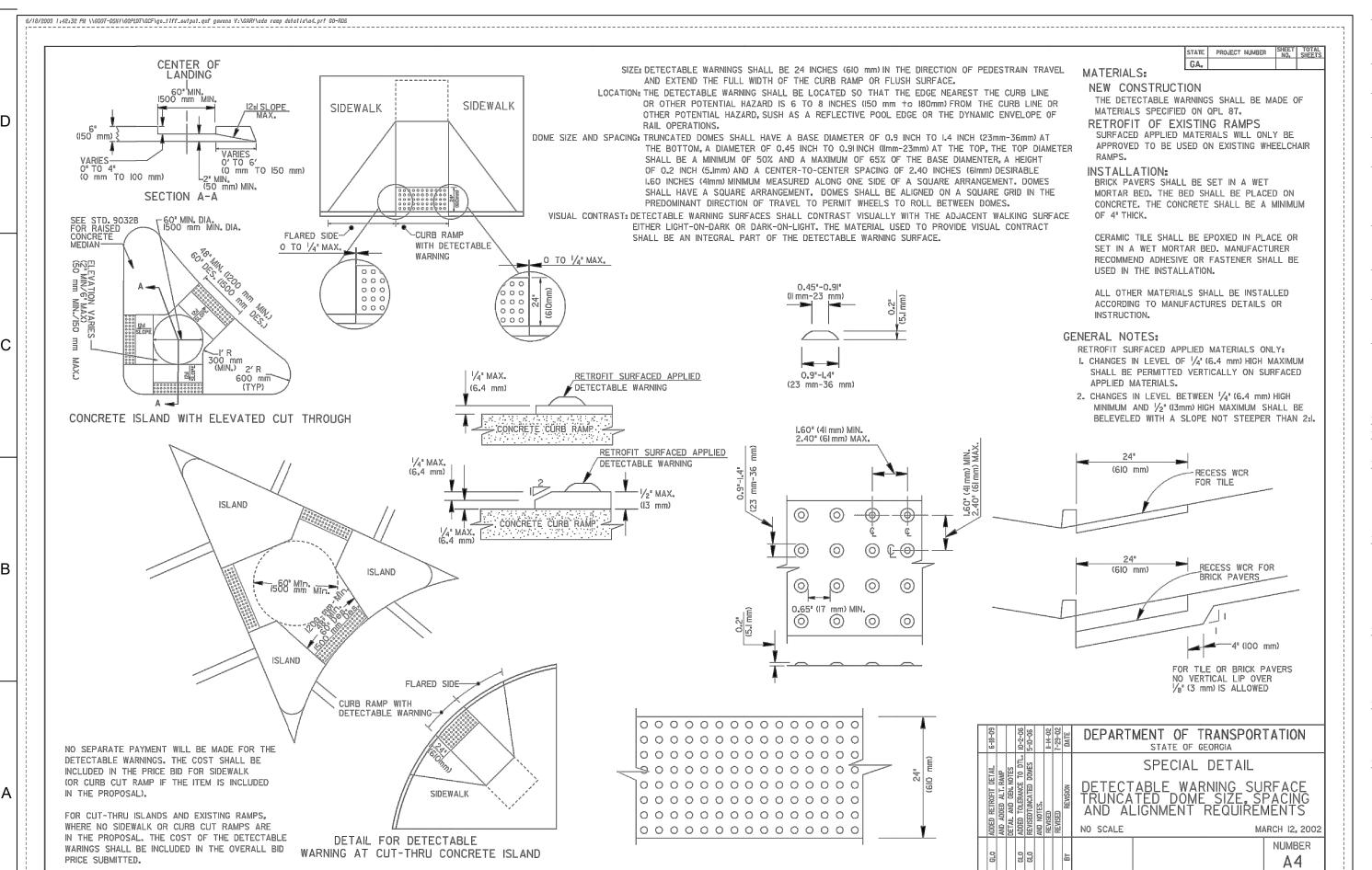
PROCTOR DENSITY.

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220232A

SHEET TITLE





6/18/2009 T 742/32 PM TYGDOT-DSMTYGDPLOTYCCFYag\_f FF\_output, epf\_agwens Y rYGARYYada remo\_dsfal (sYe4. o

DISTURBED STABILIZATION PLANT RESIDUES OR OTHER SUITABLE MATERIALS, PROUDUCED ON THE SITE IF POSSIABLE, TO THE SOIL SURFACE. SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT INDICATED:
1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.

2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS. . CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 1/4 GALLON PER SQ.YD.). 4.POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND REUSED.

SPECIES	RATE/ 1000 S.F.	DATES	FERTILIZER	RATE/ 1000 S.F.
MILLET	1-2 LBS	5-15 TO 8-31	6-12-12	25-35 LE
RYE	2-3 LBS.	10-15 TO 2-15	6-12-12	25-35 LE

PERMANENT	GRAS	SING PLA	N (	(DS3)
SPECIES	RATE/ 1000 S.F.	DATES:	FERTILIZER	RATE/ 1000 S.F.
WEEPING LOVEGRASS &	.24- LB			
VIRGATA OF SERICEA LESPEDEZIA (SCARIFIED)	1-2 LB.	3-1 TO 6-15	6-12-12	25-35 LBS.
ALL FESCUE GRASS	8-10 LB.	9-1 TO 11-1	6-12-12	25-35 LBS.
BERMUDA GRASS (HULLED) (UNHULLED)	1-2 LB. 2-3 LB.	3-15 TO 6-15 10-01 TO 3-15	6-12-12 6-12-12	25-35 LBS. 25-35 LBS.
STRAW MULCH	90 LB.	ANY TIME FOR	TEMPORY C	OVER.
NOTES:				

- . ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT THE RATE OF 90 LBS. PER 1000 S.F. LIME & FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL.

  2. ALL AREAS SEEDED SHALL HAVE AN APPLICATION OF STRAW MULCH IMMEDIATELY AFTER APPLICATION OF SEED & FERTILIZER. APPROXIMATELY 2 TONS PER ACRE. PERMANENT GRASSING OCT. - JUNE, ALL OTHER MONTHS USE TEMPORARY GRASSING & REPLANT.

  USE TEMPORARY GRASSING IF INACTIVE DISTURBED AREA IS TO BE EXPOSED FOR MORE THAN 14 DAYS.

  REFER TO TABLE 6-5.1,2,3,& 4 FOR COMPLETE VEGETATIVE CHARTS AND FERTILIZER REQUIREMENTS.

  PERMANENT GRASSING FOR FINAL SITE STABILIZATION MUST ACHIEVE A DENSITY OF THE DISTURBED AREA.
- ESPC NOTES: (CITY OF CARROLLTON) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE

OF 70% OR GREATER OVER 100% OF THE DISTURBED AREA.

- PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBANCE ACTIVITIES.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING AS SOON AS PRACTICABLE BUT IN NO CASE MORE THAN 14 DAYS AFTER DISTURBANCE. NOTIFY THE CITY AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF LAND DISTURBANCE ACTIVITIES. AN INSPECTOR WILL BE ASSIGNED AND A PRE-CONSTRUCTION MEETING HELD PRIOR TO COMMENCEMENT OF LAND
- DISTURBANCE. 5. ALL CONTRACTORS FOR EROSION SEDIMENTATION AND
- POLLUTION CONTROL SHALL BE APPROVED BY THE CITY. 6. THE CONTRACTOR MUST NOTIFY THE UTILITIES PROTECTION CENTER AT 1-800-282-7411 AT LEAST 72 HOURS PRIOR

TO COMMENCEMENT OF LAND DISTURBANCE ACTIVITIES.

- . STRIPPING OF VEGETATION, GRADING AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION.
- 3. CUT AND FILL OPERATIONS SHALL BE KEPT TO A MINIMUM 9. DEVELOPMENT PLANS SHALL CONFORM TO TOPOGRAPHY AND SOIL TYPE SO AS TO CREATE THE LOWEST PRACTICABLE EROSION POTENTIAL.
- 10. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED. 11. DISTURBED AREAS AND THEIR DURATION OF EXPOSURE TO
- EROSIVE ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM. 12. DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS
- PRACTICABLE.
- 13. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT
- 14. PERMANENT VEGETATION AND STRUCTURAL EROSION CONROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE. 15. TO THE EXTENT NECESSARY, SEDIMENT IN RUNOFF WATERS SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS.
- SEDIMENT BASINS, SILT TRAPS OR SIMILAR MEASURES UNTIL THE DISTURBED AREA HAS BEEN STABILIZED. 16. ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE
- DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS. 17. CUTS AND FILLS SHALL NOT ENDANGER ADJOINING
- 18. FILLS SHALL NOT ENCROACH UPON NATURAL WATERCOURSES OR CONSTRUCTED CHANNELS IN A MANNER THAT WOULD ADVERSELY AFFECT OTHER PROPERTY OWNERS.
- 19. GRADING EQUIPMENT MUST CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE. FEASIBILITY SHALL BE DETERMINED BY THE CITY, AND SUCH DETERMINATION IS
- 20. STREAM CROSSINGS SHALL BE KEPT TO A MINIMUM. 21. TEMPORARY STREAM CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- 22. ADEQUATE SEDIMENTATION AND CONTROL FACILITIES SHALL BE PROVIDED FOR TREATING AND/OR CONTROLLING OF ANY AND ALL SEDIMENT SOURCES SUCH THAT SEDIMENTS ARE RETAINED ONSITE AND PRECLUDED FROM DISCHARGED TO WATERS OF THE STATE.
- 23. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25-FOOT BUFFER ALONG THE BANKS OF ANY STATE WATERS (AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION) UNLESS A FORMAL WAIVER HAS BEEN GRANTED BY THE CITY.
- 24. WHERE THE CITY GRANTS A WAIVER, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25-FOOT BUFFER STATE BUFFER WITHOUT FULL COMPLIANCE OF STATE REGULATIONS AND OBTAINING A VARIANCE IF APPLICABLE.
- 25. EXCEPT AS PROVIDED ABOVE FOR REQUIRED BUFFERS, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN BUFFERS AND ALL BUFFERS SHALL REMAIN IN THEIR NATURAL, UNDISTURBED STATE OF VEGETATION.
- 26. BUFFERS MAY BE THINNED OR TRIMMED OF VEGETATION BETWEEN THE TIME OF FINAL SITE STABILIZATION AND SUBMITTAL OF THE NOTICE OF TERMINATION. A PROTECTIVE VEGETATIVE COVER MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAMBED.

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105 CORPORATE DRIVE OFFICE (770) 834-4694 CARROLLTON, GA. 30117 FAX (770) 834-1005 E-MAIL: mailbox@georgiaandwest.com

> RICKMAN ARCHITECTURE + DESIGN

224 W MONTGOMERY ST VILLA RICA, GA 30180 radga.com 678 282 7974

> PROJECT Neva Pavilion

710 Rome Street Carrollton, GA 30117

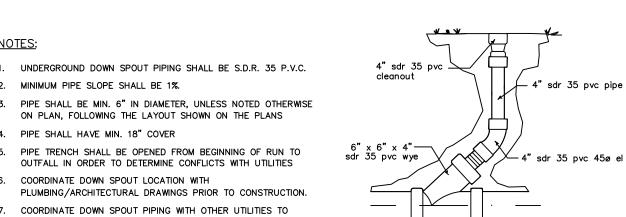
CLIENT WGRLS

124 W. Chandler Street Carrollton, GA 30117

→ DOWNSPOUT PIPE (SEE ARCH. PLANS) DOWNSPOUT PIPE TO SDR 35 COU TO BE REMOVABLE FOR - REDUCER (AS REQUIRED) 90ø ELBOW COMPACTED BACK FILL **DOWNSPOUT TRANSITION** 

not to scale

10



ROOF DRAINAGE PIPING DETAIL

PROFESSIONAL STAMP

DRAWN BY:

REVIEWED BY:

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best of our knowledge comply with state and loca

codes. We will generally administer construction

project and site specifically identified herein.

PVC CLEANOUT DETAIL

COMPOST FILTER SOCK JOB # 220232A

EROSION AND SEDIMENT CONTROL (Sd1-NS) (WORK) AREA 30" MIN. NOTE: SEE PLAN FOR FILTER SOCK SIZE AREA TO BE PROTECTED

Bid Documents 03/15/2023

> SHEET TITLE CONSTRUCTION DETAILS

CITY OF CARROLLTON, NOV. 2007

18" MIN.

PREVENT CONFLICTS

SILT FENCE - TYPE NON-SENSITIVE (\$d1-N\$)

FRONT VIEW

NOTE:

1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

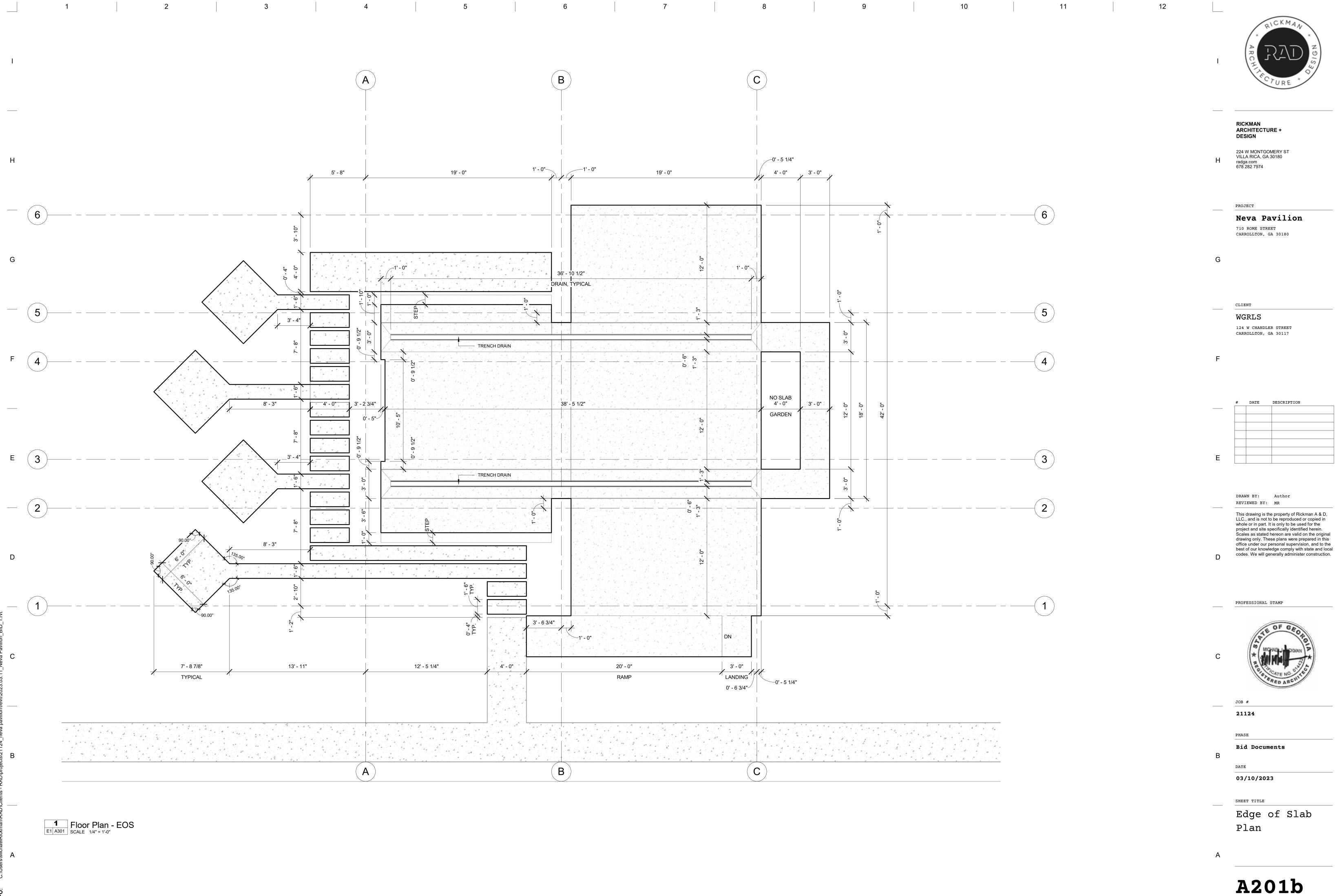
6' MAX. O.C.

1 2 3 4 5 6 7 8 9

12

best of our knowledge comply with state and local codes. We will generally administer construction.

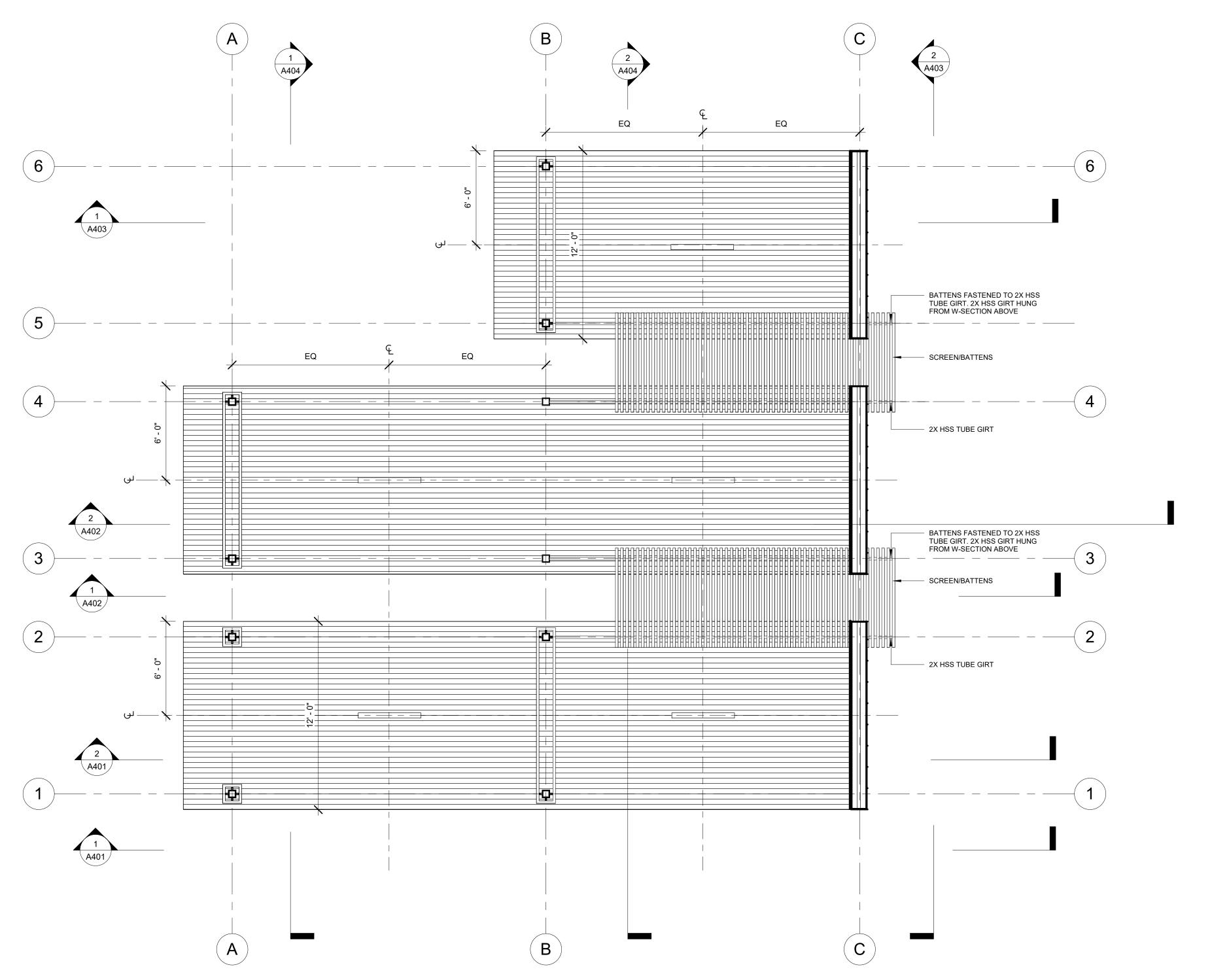
**A201a** 



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A1 A301 Reflected Ceiling Plan
SCALE 1/4" = 1'-0"

## REFLECTED CEILING PLAN GENERAL NOTES & LEGEND

1. LOCATION OF ANY AND ALL MECHANICAL, PLUMBING & ELECTRICAL ELEMENTS ARE APPROXIMATE. CONTRRACTOR RESPONSIBLE FOR FINAL LAYOUT, DISTRIBUTION & INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS IN THE FIELD.

RICKMAN ARCHITECTURE + DESIGN

224 W MONTGOMERY ST VILLA RICA, GA 30180 radga.com 678 282 7974

**WD** - ENDURE DIRECT ATTACH

**Neva Pavilion** 

710 ROME STREET CARROLLTON, GA 30180

PROJECT

CLIENT

WGRLS

124 W CHANDLER STREET

CARROLLTON, GA 30117

ELEVATION INDICATES CLEAR HEIGHT FROM FINISHED FLOOR TO FINISHED CEILING

> CEILING TRANSITION TAG - DETAIL # REFERENCES DETAIL ON SHEET

12

LT-01: SURFACE MOUNTED CEILING FIXTURE

LT-02: WALL MOUNTED LIGHT FIXTURE

DATE DESCRIPTION

DRAWN BY: Author REVIEWED BY: MR

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PROFESSIONAL STAMP



JOB #

21124

Bid Documents

DATE

03/10/2023

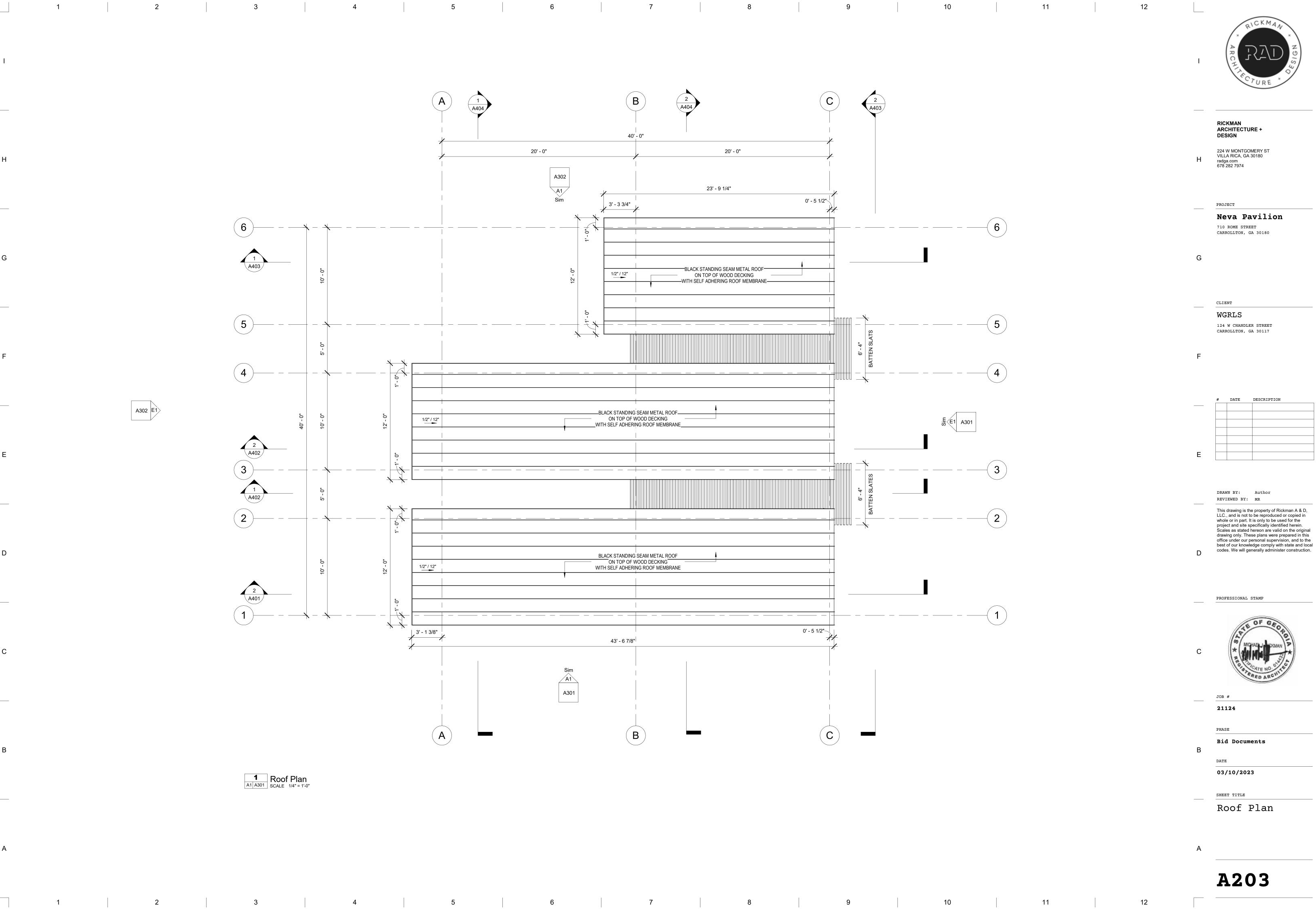
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SHEET TITLE

Ceiling Plan

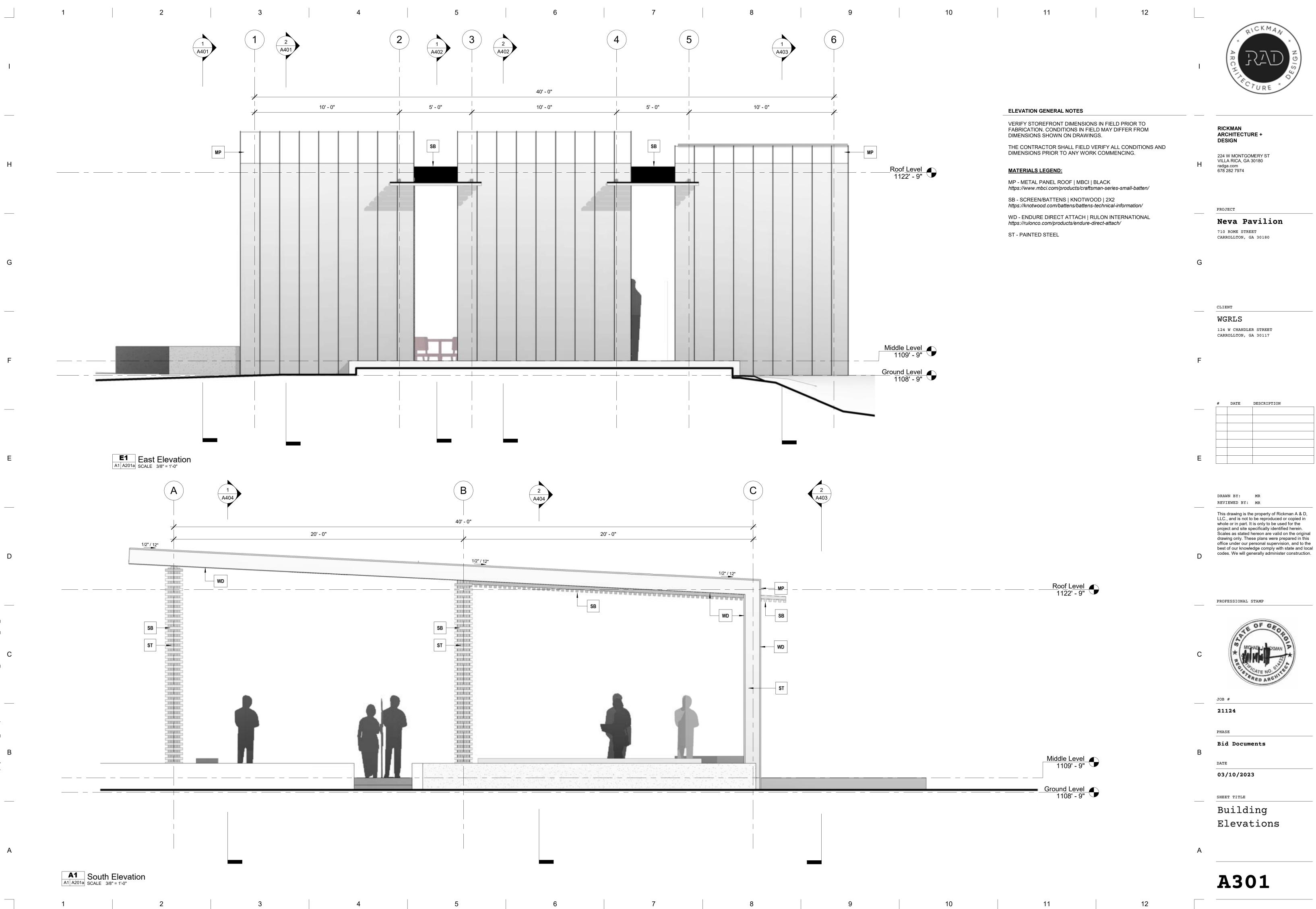
**A202** 

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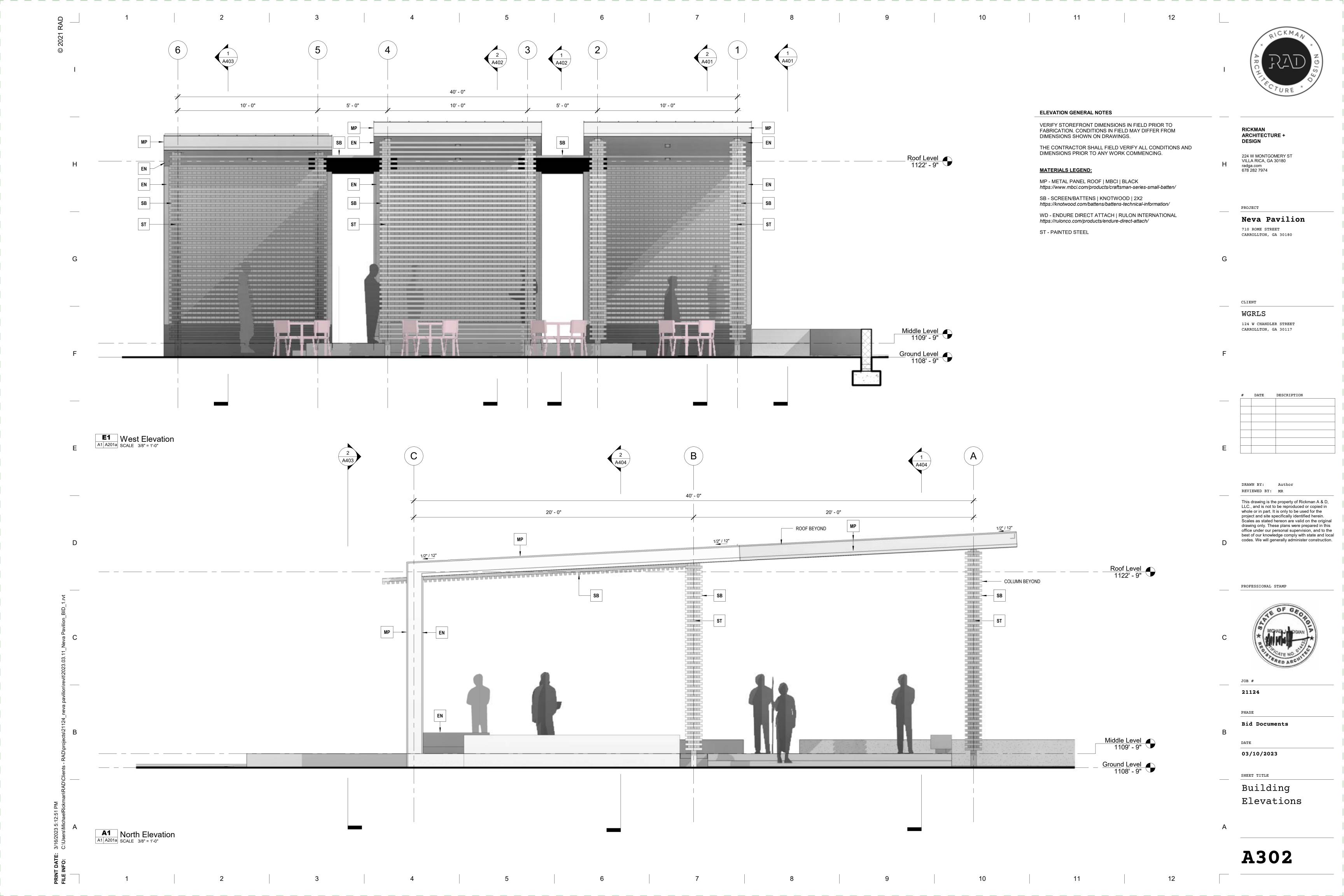


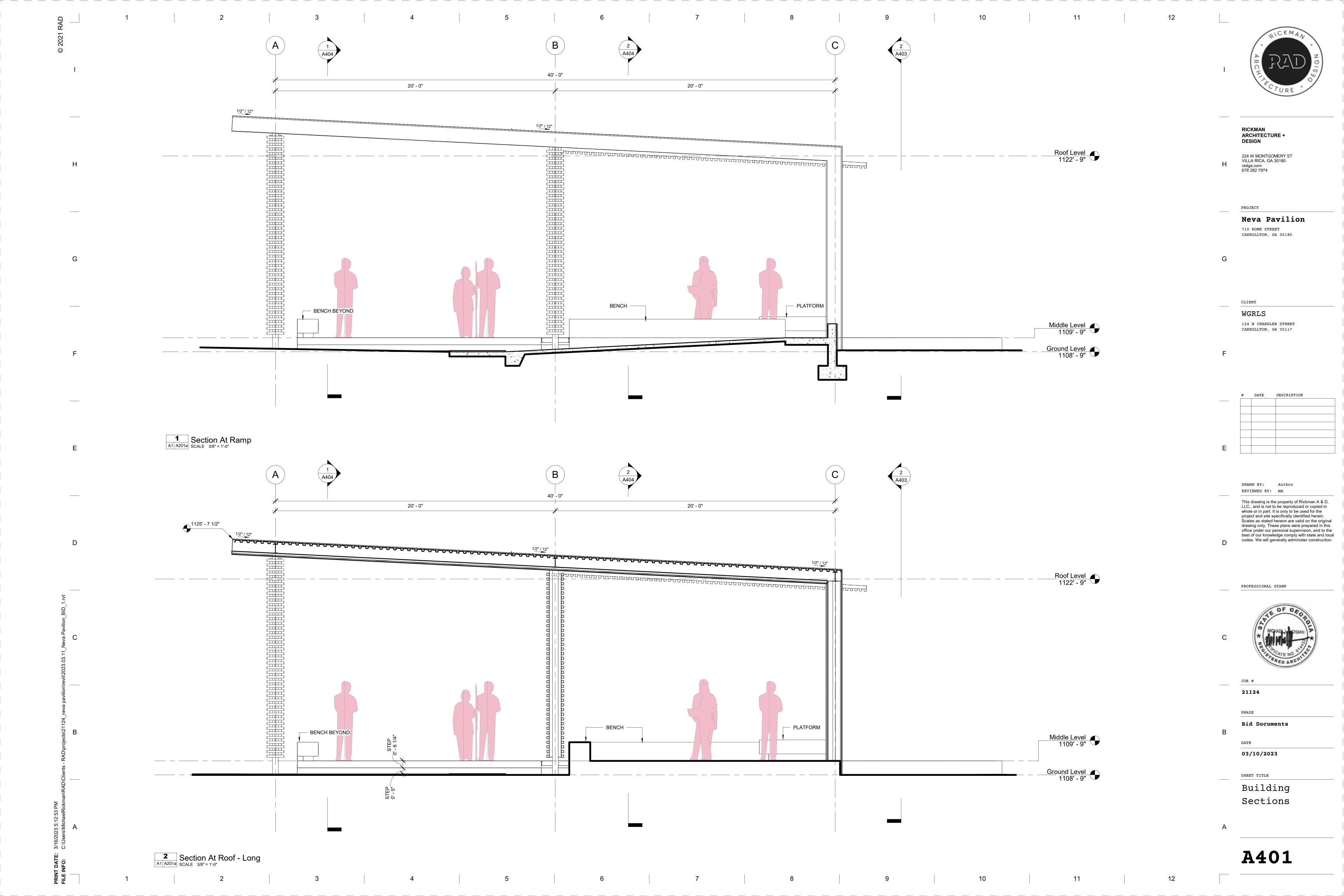
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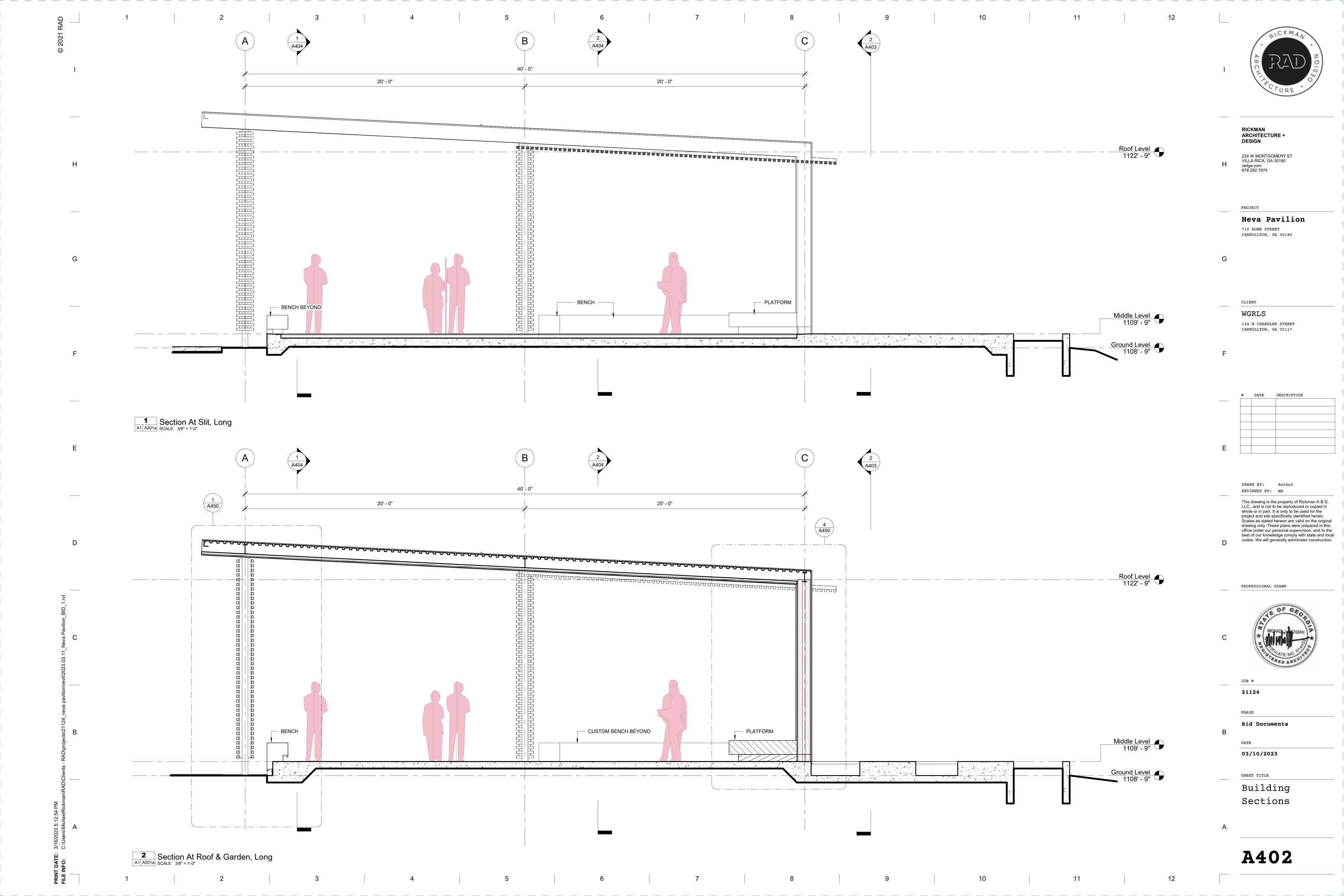


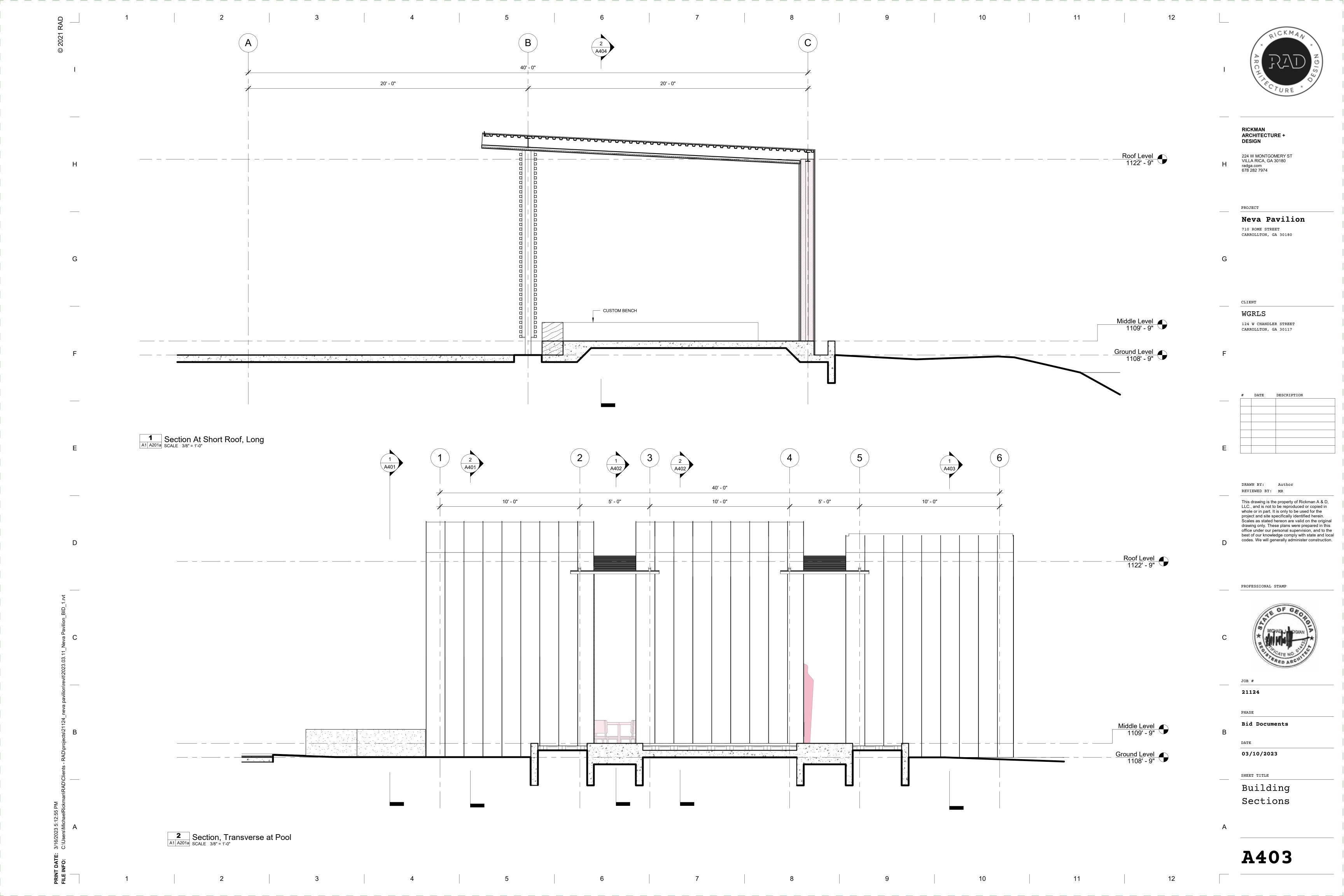


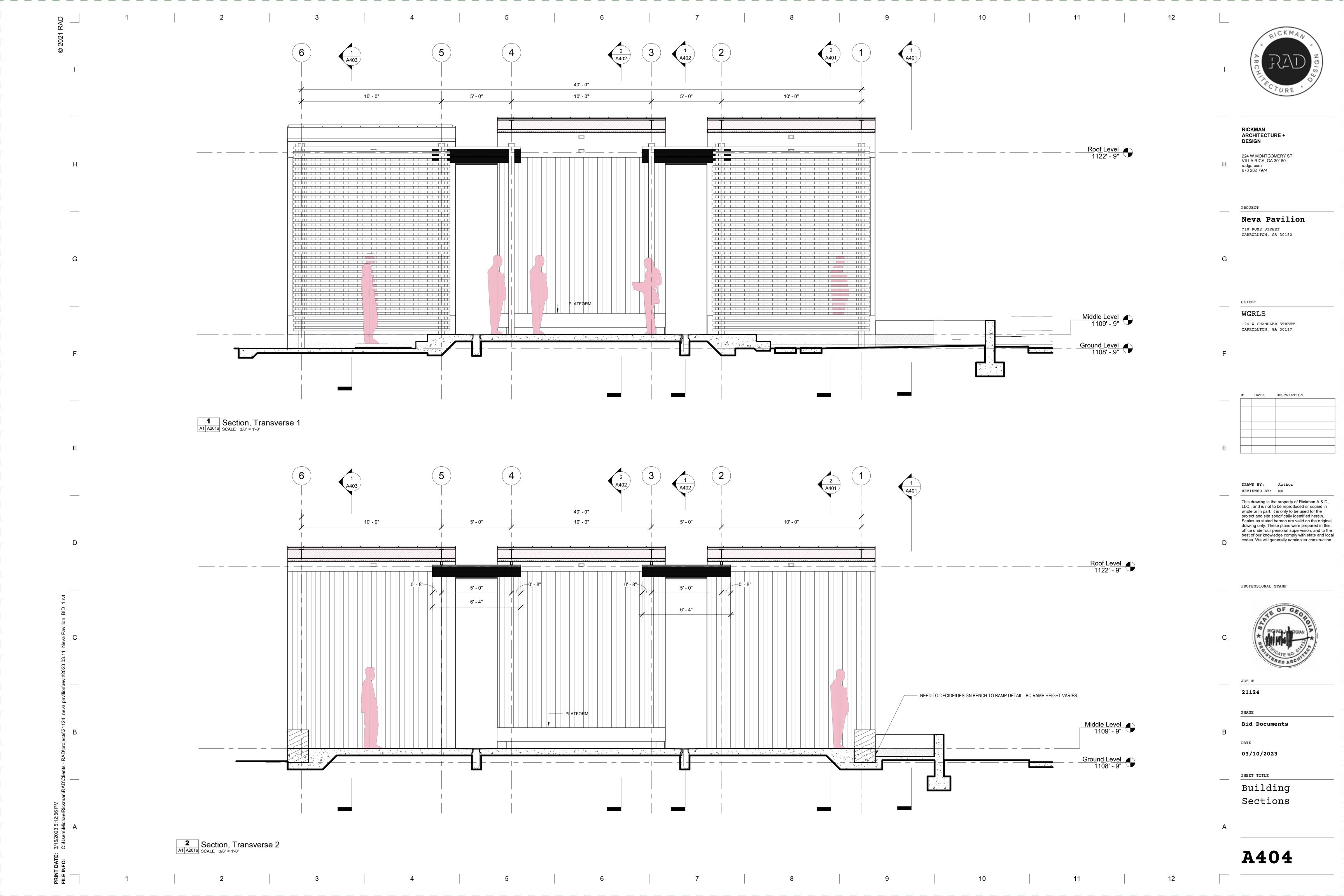
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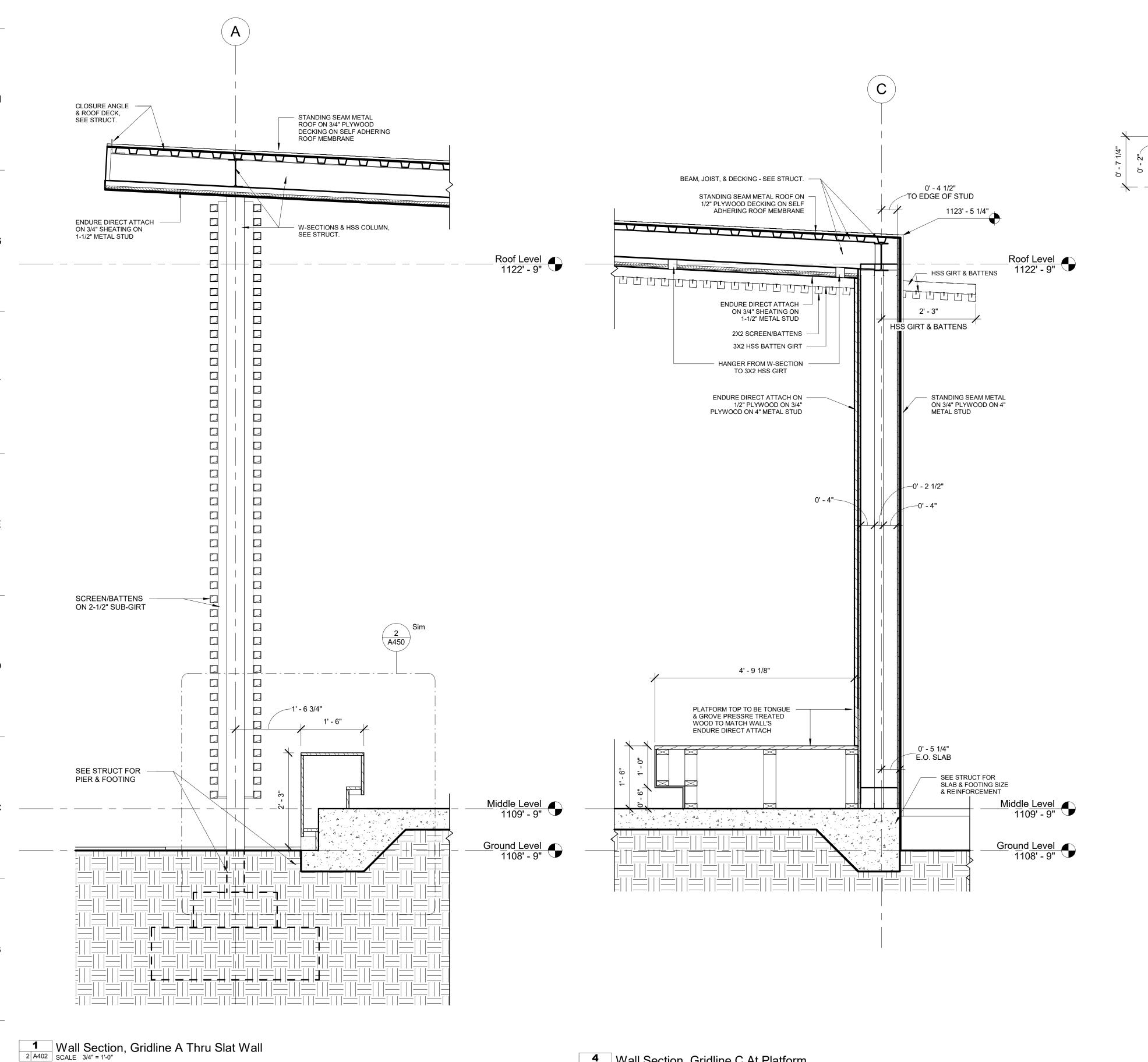










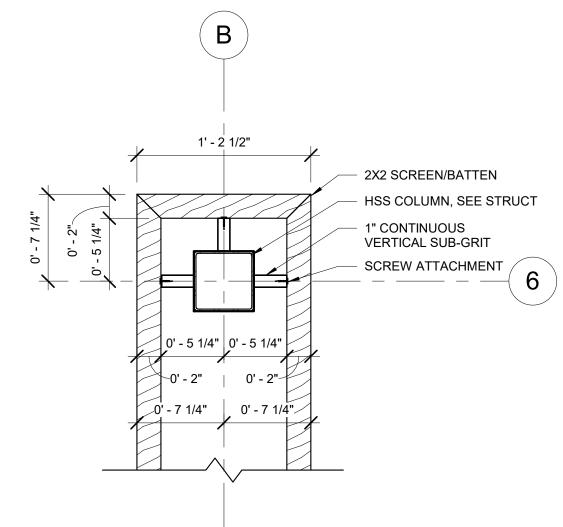


Wall Section, Gridline C At Platform

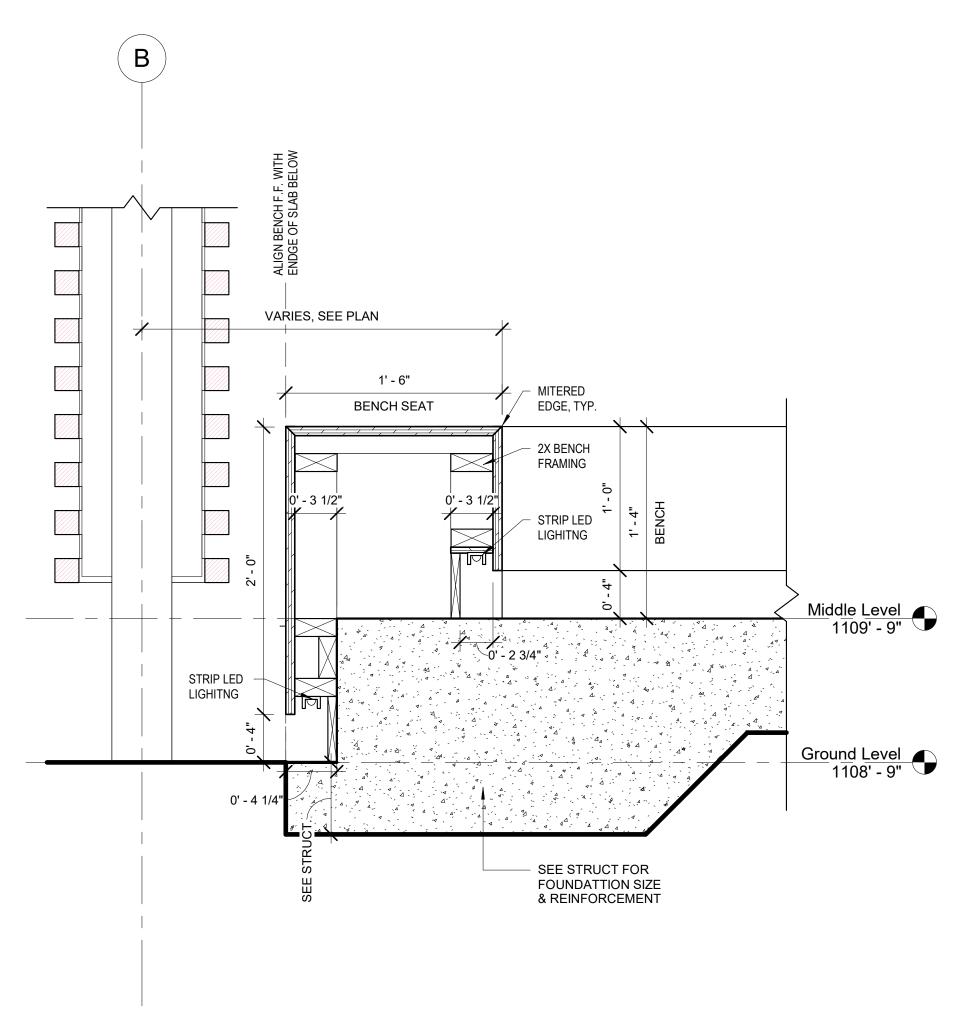
SCALE 3/4" = 1'-0"

1 2 3 4 5 6 7 8 9

2 3 4 5 6 7 8 9



3 Typical Screen/Batten Connection Detail Scale 1 1/2" = 1'-0"



Bench Section Detail
SCALE 1 1/2" = 1'-0"

RICKMAN ARCHITECTURE + DESIGN

12

224 W MONTGOMERY ST VILLA RICA, GA 30180 radga.com 678 282 7974

PROJECT

Neva Pavilion

710 ROME STREET CARROLLTON, GA 30180

WGRLS

124 W CHANDLER STREET CARROLLTON, GA 30117

# DATE DESCRIPTION

DRAWN BY: MR
REVIEWED BY: MR

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codes. We will generally administer construction.

PROFESSIONAL STAMP



JOB # **21124** 

PHASE

Bid Documents

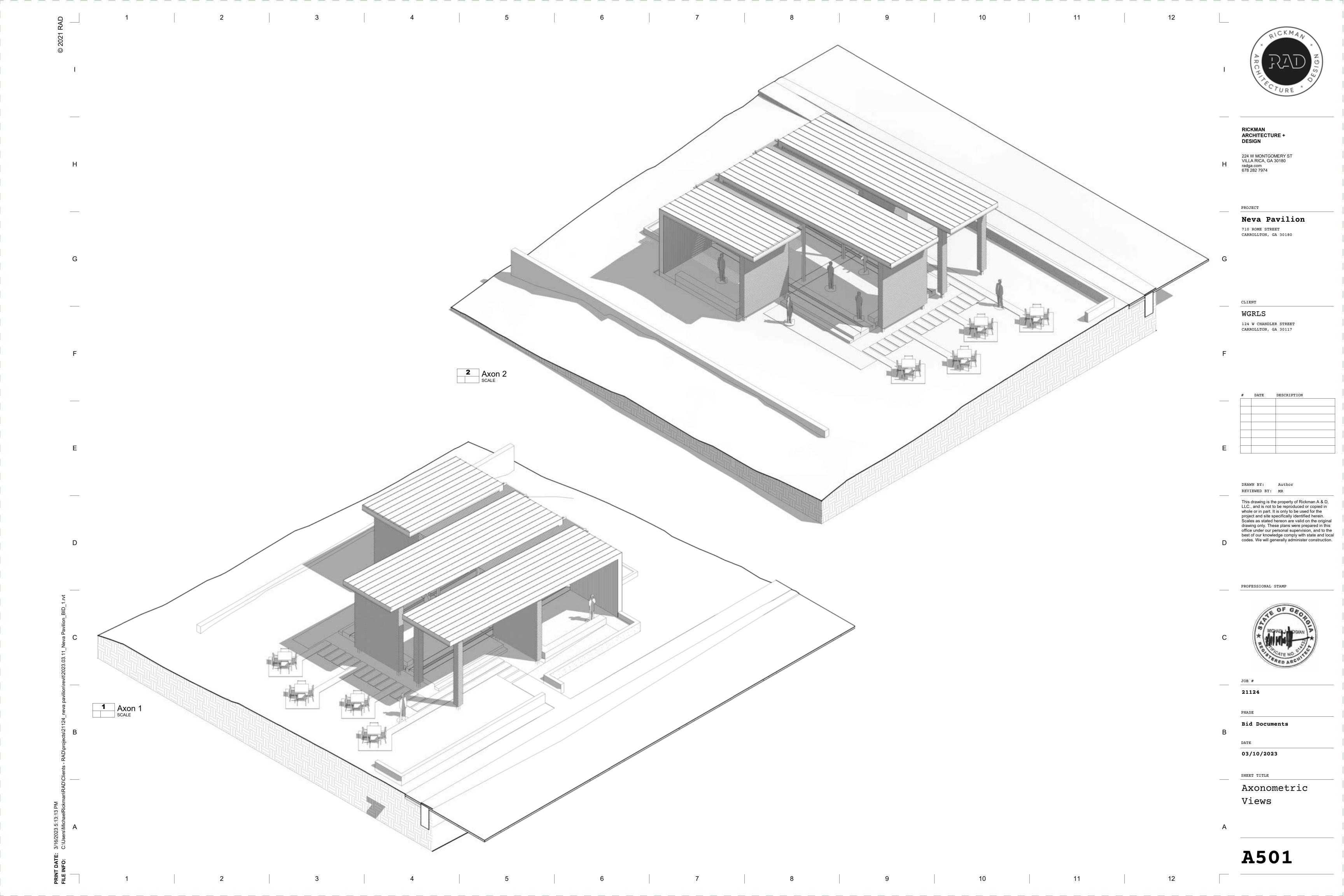
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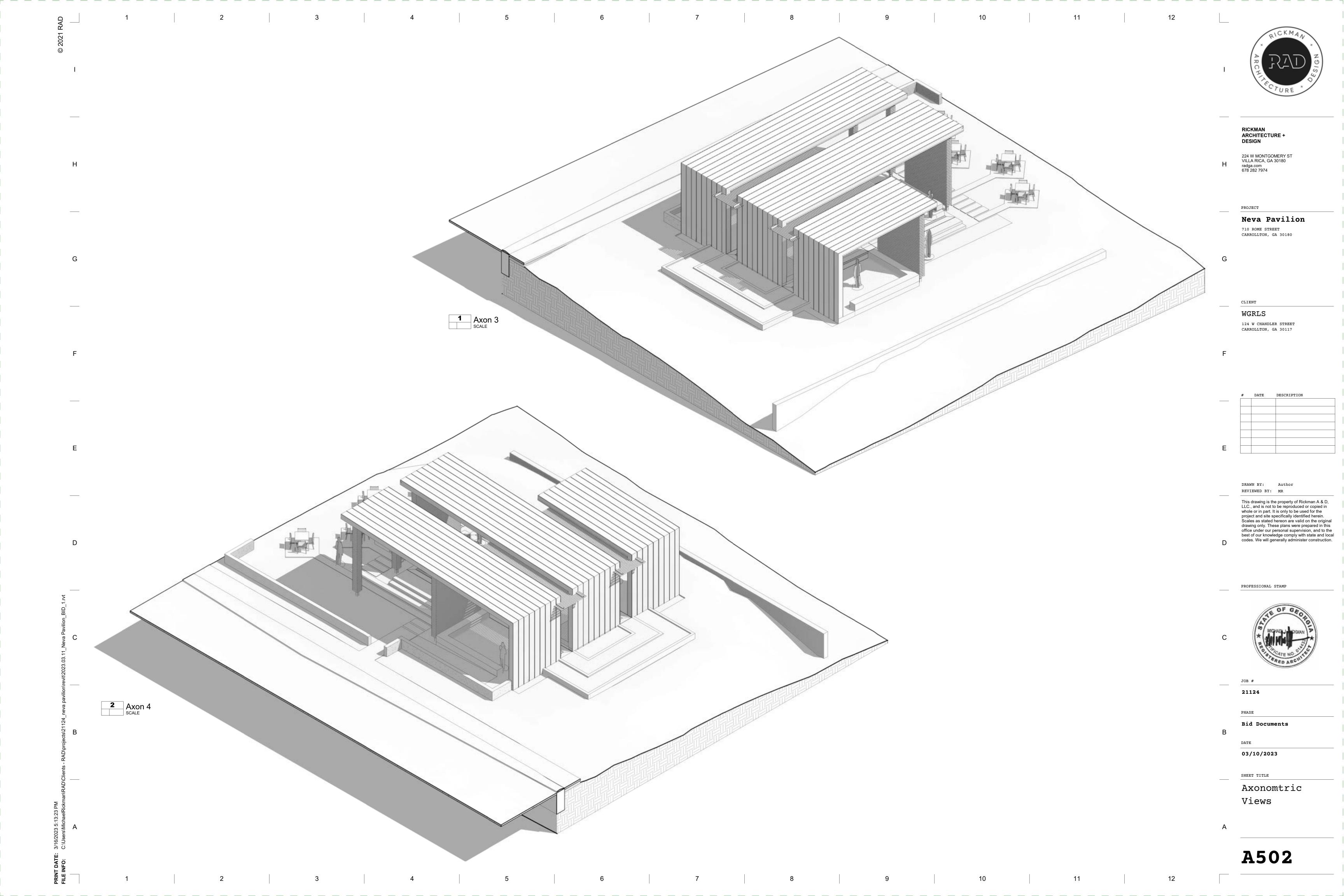
03/10/2023

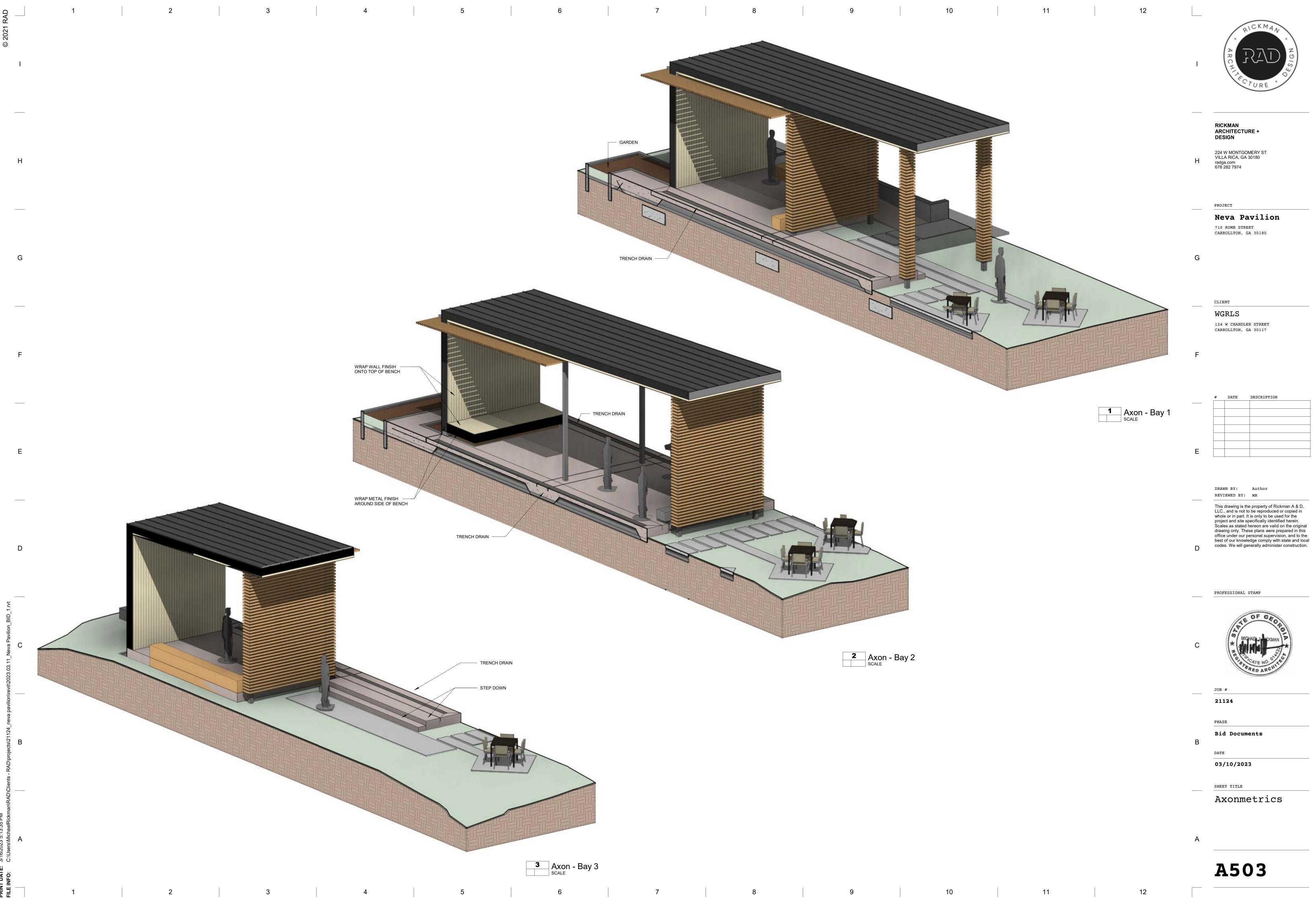
SHEET TITLE

Wall Section & Details

**A450** 







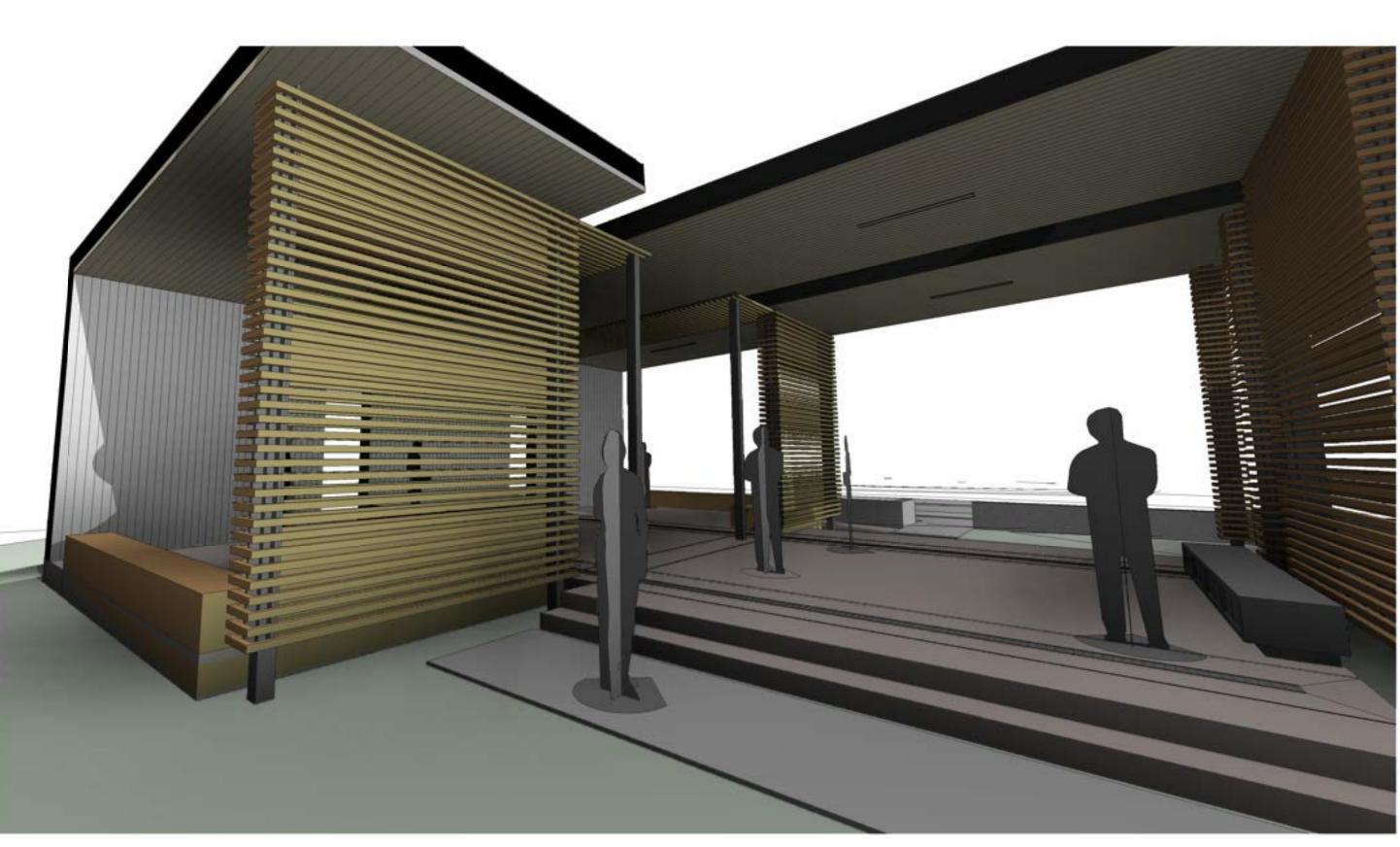
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3D View 1

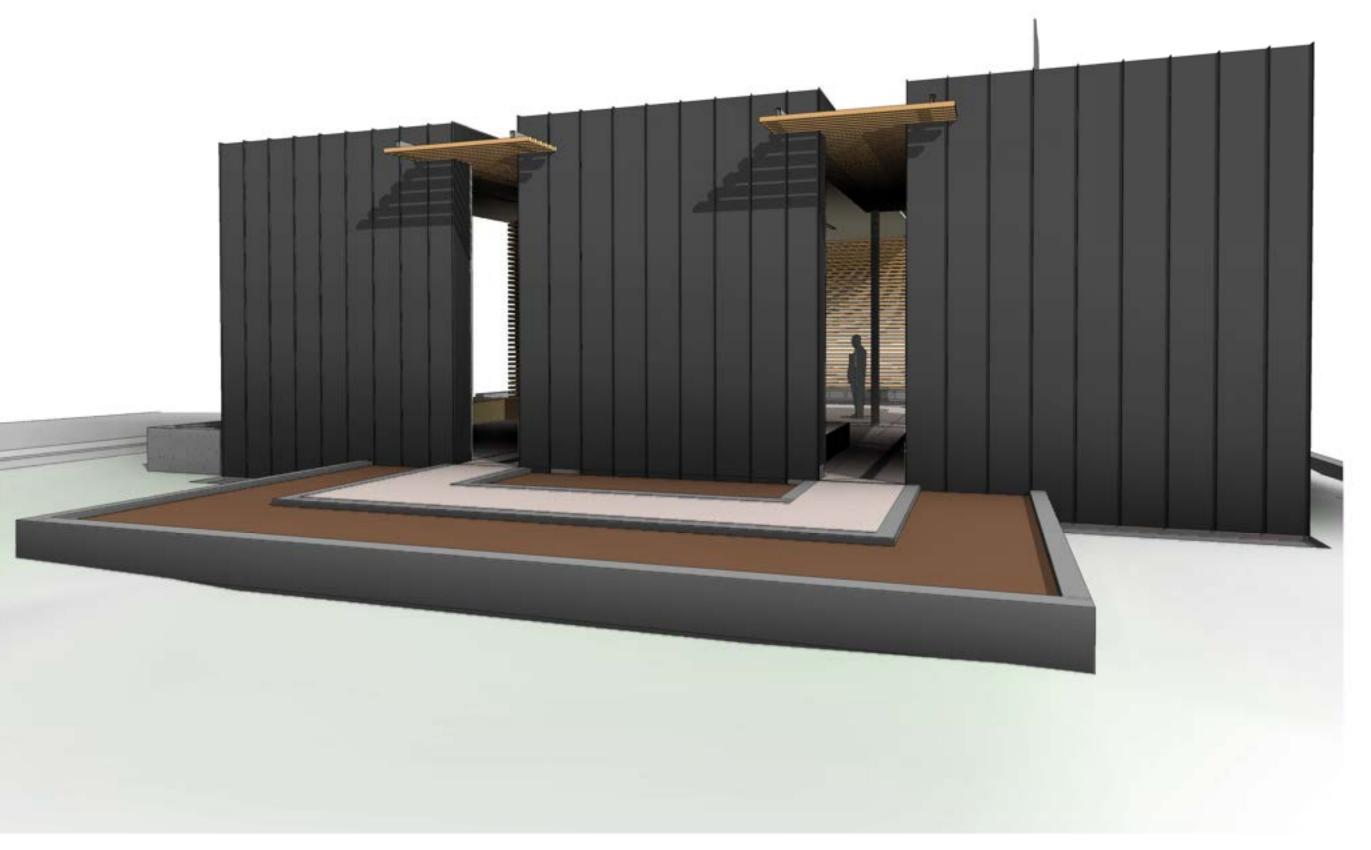
1 2 3 4 5 6 7 8 9



3D View 4







3D View 6

1 2 3 4 5 6 7 8 9



RICKMAN ARCHITECTURE + DESIGN

224 W MONTGOMERY ST VILLA RICA, GA 30180 radga.com 678 282 7974

PROJECT

12

Neva Pavilion

710 ROME STREET CARROLLTON, GA 30180

WGRLS

124 W CHANDLER STREET CARROLLTON, GA 30117

# DATE DESCRIPTION

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REVIEWED BY: MR

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PROFESSIONAL STAMP



PHASE

Bid Documents

03/10/2023

SHEET TITLE

3D Views

١

**A506** 

## **GENERAL NOTES:**

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING DURING CONSTRUCTION. FOUNDATION WALLS WHICH ARE SHOWN TIED INTO SLAB—ON—GRADE OR FLOOR/ROOF FRAMING SHALL BE BRACED AGAINST BACK FILL MOVEMENT UNTIL SLAB/FRAMING (INCLUDING DECK) IS COMPLETED. THOUGH DETAILS DO MAY NOT INDICATE, ADEQUATE DRAINAGE MUST BE PROVIDED BEHIND WALLS TO ELIMINATE UNANTICIPATED HYDROSTATIC LOADING. PROVIDE ADEQUATE SHORING OR BRACING DURING CONSTRUCTION TO RESIST ALL REQUIRED FORCES SUCH AS (BUT NOT LIMITED TO) DEAD LOADS, LIVE LOADS, SOIL PRESSURES, CONSTRUCTION LOADS, WIND AND UNBALANCED LOADING. PROVIDE TEMPORARY SAFETY ENCLOSURES AS NECESSARY TO PROTECT ALL PERSONNEL INVOLVED WITH THIS PROJECT.
- 2. THE INTERNATIONAL BUILDING CODE, 2018 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL SHALL APPLY IN CONJUCTION WITH THE LATEST GA AMENDMENTS AND THE ASCE 7–16 REFERENCED STANDARD.
- 3. DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH:

- AMERICAN CONCRETE INSTITUTE (A.C.I.)
SPECIFICATIONS FOR CONCRETE CONSTRUCTION

- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.)
  SPECIFICATIONS FOR STRUCTURAL STEEL CONSTRUCTION
- AMERICAN WELDING SOCIETY (A.W.S.)
  SPECIFICATIONS FOR WELDING
- AMERICAN IRON AND STEEL INSTITUTE (A.I.S.I.)
  SPECIFICATIONS FOR COLD FORMED LIGHT GAGE STEEL
  - ♦ AISI S100-10: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, INCLUDING
  - 2010 SUPPLEMENT 2.

    ♦ AISI S200-07: STANDARD FOR COLD-FORMED STEEL
  - FRAMING GENERAL PROVISIONS.

    AISI S212—07: STANDARD FOR COLD—FORMED STEEL
- FRAMING HEADER DESIGN.

  AISI S211-07: STANDARD FOR COLD-FORMED STEEL
  FRAMING WALL STUD DESIGN.
- 4. DESIGN LOADS:

## ROOFS (GABLE RUBBER MEMBRANE):

LIVE LOAD (REDUCIBLE)

DEAD LOAD	
RUBBER ROOF MEMBRANE	- 2.0 P.S.F. (MAX)
INSULATION	- 3.0 P.S.F. (MAX)
CORRUGATED METAL DECKING	- 2.0 P.S.F. (MAX)
JOISTS	- 3.0 P.S.F. (MAX)
GIRDERS/BEAMS	- 3.0 P.S.F. (MAX)
COLLATERAL (M.E.P.)	- 5.0 P.S.F. (MAX)

 CEILING
 — 2.0 P.S.F. (MAX)

 TOTAL
 — 20 P.S.F.

- 20 P.S.F.

## WIND (MWFRS):

ULTIMATE DESIGN WIND SPEED V<sub>III</sub> (3—SECOND GUST) — 107 MPH

NOMINAL DESIGN WIND SPEED  $V_{\mbox{asd}}$  (3-SECOND GUST) - 83 MPH RISK CATEGORY - II EXPOSURE - B

INTERNAL PRESSURE COEFFICIENT (GCpi) — ±0.18

ENCLOSURE CLASSIFICATION — ENCLOSED BUILDING

BUILDING CLASSIFICATION — LOW RISE BUILDING SEE SHEET S1.3 FOR ULTIMATE COMPONENT AND CLADDING PRESSURES

## SEISMIC LOADING

- RISK CATEGORY	II
- SEISMIC IMPORTANCE FACTOR, le	1.0
- MAPPED SPECTRAL RESPONSE ACCELERATION (Ss)	0.177 g
- MAPPED SPECTRAL RESPONSE ACCELERATION (S1)	0.084 g
- SITE CLASSIFICATION	D (ASSUMED)
- SPECTRAL RESPONSE COEFFICIENT (SDS)	0.189 g
- SPECTRAL RESPONSE COEFFICIENT (SD1)	0.135 g
- SEISMIC DESIGN CATEGORY	С

- BASIC SEISMIC FORCE RESISTING SYSTEMS:

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE: R = 3.0

ANALYSIS PROCEDURE - EQU. LAT. FORCE PROCEDURE

## GENERAL NOTES (CONTINUED):

- 5. THE DIMENSIONS, LOCATIONS, AND DETAILS SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF PREPARATION OF THESE DRAWINGS. DEVIATIONS WHICH ARE NECESSARY OR WHICH CONFLICT SHALL BE REPORTED TO THE ENGINEER AND/OR OWNER. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR DEVIATIONS NOT APPROVED BY THE ENGINEER OF RECORD.
- 6. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE DESIGN ENGINEER AND/OR THE OWNER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN TO SITE AND BUILDING LAYOUT THEREON.
- 7. UNLESS SHOWN ON THE DRAWINGS, SUBSTITUTION OF STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER.
- 8. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL ORDINANCES AND THE APPLICABLE BUILDING CODE(S).
- 9. THESE NOTES SHALL BE SUPPLEMENTARY TO ALL OTHER SPECIFICATIONS IF PROVIDED. SHOULD ANY CONFLICT EXIST BETWEEN THESE NOTES AND THE SPECIFICATIONS, THE MORE STRINGENT PROVISION SHALL GOVERN UNLESS APPROVED OTHERWISE BY THE DESIGN ENGINEER.
- 10. ALL STUD WALLS SHALL HAVE A DIRECT MECHANICAL ATTACHMENT TO THE FOUNDATION, ELEVATED FLOORS, AND ROOF FRAMING.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATION, AND CONSTRUCTION METHODS AND COORDINATING THIS WORK WITH ALL OTHER TRADES.
- 12. SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT, AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.
- 13. THE REVIEW OF SHOP DRAWINGS, WHERE REQUIRED BY THE ENGINEER OF RECORD, DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT INFER THAT THEY SUPERSEDE THE STRUCTURAL DRAWINGS NOTWITHSTANDING HAND WRITTEN COMMENTS MADE BY THE ENGINEER OF RECORD THAT MAY APPEAR ON THE SHOP DRAWINGS AFTER THE ENGINEER OF RECORD'S REVIEW.
- 14. REFER TO ARCHITECTURAL AND MECHANICAL/ELECTRICAL/PLUMBING PLANS FOR ALL ANCHORS, INSERTS, PLUGS AND SUCH EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL PLANS.
- 15. NO SLEEVES OR OTHER PENETRATIONS SHALL BE ALLOWED THROUGH STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER
- 16. OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE.
  HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, FOR COORDI—
  NATING ALL DETAILS, AND FOR OBTAINING ALL REQUIRED APPROVALS.
- 17. COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- 18. ALL PROPRIETARY MEMBERS ARE DEFERRED SUBMITTAL ITEMS
- 19. SHOP DRAWINGS FOR THE FOLLOWING BUILDING COMPONENTS NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS APPROVED FOR BUILDING PERMIT SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SUBMITTED TO GWINNETT COUNTY BUILDING PLAN REVIEW AFTER APPROVAL BY THE PROJECT ENGINEER—OF—RECORD: TRUSS (ROOF)

NOTE: THE DEPT. OF PLANNING & DEVELOPMENT
WILL NOT PROVIDE ANY FRAMING INSPECTIONS FOR THE PROJECT UNTIL THE REQUIRED SHOP DRAWINGS HAVE BEEN SUBMITTED TO BUILDING PLAN REVIEW FOR REVIEW AND APPROVAL.

- 20. CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING SAME TO THE ARCHITECT AND/OR ENGINEER FOR REVIEW. ARCHITECT AND ENGINEERS REVIEW OF THESE SHOP DRAWINGS IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- 21. ALL SHOP DRAWINGS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED ON THE STATE OF GEORGIA. COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS
  SHALL BE SEALED AND SIGNED
  BY A PROFESSIONAL ENGINEER AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIMES OF INSPECTION.
- 22. PROFESSIONAL ENGINEER QUALIFICATIONS: A PROFESSIONAL ENGINEER WHO IS LEGALLY AUTHORIZED TO PRACTICE IN JURISDICTION WHERE THE PROJECT IS LOCATED AND WHO IS EXPERIENCED IN PROVIDING ENGINEERING SERVICES OF THE KIND INDICATED.
- 24. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING DURING CONSTRUCTION. FOUNDATION WALLS WHICH ARE SHOWN TIED INTO SLAB—ON—GRADE OR FLOOR/ROOF FRAMING SHALL BE BRACED AGAINST BACK FILL MOVEMENT UNTIL SLAB/FRAMING (INCLUDING DECK) IS COMPLETED. THOUGH DETAILS DO MAY NOT INDICATE, ADEQUATE DRAINAGE MUST BE PROVIDED BEHIND WALLS TO ELIMINATE UNANTICIPATED HYDROSTATIC LOADING. PROVIDE ADEQUATE SHORING OR BRACING DURING CONSTRUCTION TO RESIST ALL REQUIRED FORCES SUCH AS (BUT NOT LIMITED TO) DEAD LOADS, LIVE LOADS, SOIL PRESSURES, CONSTRUCTION LOADS, WIND AND UNBALANCED LOADING. PROVIDE TEMPORARY SAFETY ENCLOSURES AS NECESSARY TO PROTECT ALL PERSONNEL INVOLVED WITH THIS PROJECT.
- 25. SHOP DRAWINGS FOR THE FOLLOWING BUILDING COMPONENTS NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS APPROVED FOR BUILDING PERMIT SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SUBMITTED TO GWINNETT COUNTY BUILDING PLAN REVIEW FOR REVIEW AFTER APPROVAL BY THE PROJECT ENGINEER—OF—RECORD.

## CITY PLAN REVIEWER NOTES:

- I. COMPLETE STRUCTURAL SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN TEAM—OF—RECORD AND NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA AND GET APPROVAL FROM ENGINEER OF RECORD PRIOR TO THE SUBMITTAL (SEE SUBMITTAL REQUIREMENTS) AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION. SEE SHOP DRAWING SUBMITTAL REQUIREMENTS.
- 2. THE STRUCTURAL DRAWINGS AS SUBMITTED HAVE BEEN REVIEWED FOR CODE COMPLIANCE AND APPEAR TO BE IN COMPLIANCE WITH THE 2012 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS. FUTURE REVISIONS TO THESE DRAWINGS SHALL REQUIRE FURTHER REVIEW AND AUTHORIZATION.
- 3. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR

## CONCRETE NOTES

1. ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:

FOOTINGS 3000 PSI (FO, SO, PO, CI)
INTERIOR SLAB ON GRADE 3000 PSI (FO, SO, PO, CO)
EXTERIOR SLAB ON GRADE 4500 PSI (FO, SO, PO, CO)
FOUNDATION AND RETAINING WALLS 4000 PSI U.N.O. (FO, SO, PO, CO)
0.45 SEE ACI 318 FOR EXPOSURE CLASSIFICATION AND CONCRETE MIX REQUIREMENTS.
IF SULFATE CONTENT AT THE SITE IS AT A LEVEL REQUIRING A MORE STRINGENT

EXPOSURE CLASS THAN THAT SPECIFIED ABOVE FOR ANY CONCRETE DESIGNATION,
THE ENGINEER SHALL BE NOTIFIED, AND THE CONCRETE MIXES SHALL BE REVISED

- 2. AIR ENTRAINING AGENTS SHALL BE USED TO PRODUCE 3% TO 6% AIR BY VOLUME IN ALL CONCRETE, BUT IT SHALL NOT BE LESS THAN THAT REQUIRED FOR THE EXPOSURE CLASS OF THE CONCRETE. AIR CONTENT ON INTERIOR SLABS SHALL NOT BE AIR ENTRAINED. THE SURROUNDING AIR THAT MAY ENTRAIN THE CONCRETE DURING THE MIXING PROCESS SUCH AS WHEN IN THE ROTATING DRUM SHALL NOT EXCEED 3%.
- 3. C.J. ON PLANS INDICATES CONSTRUCTION JOINTS OR CONTROL JOINTS. IF NOT SHOWN OTHERWISE; MAINTAIN A MAXIMUM AREA BOUNDED BY SLAB CONTROL JOINTS OF 400 S.F. (20'-0" x 20'-0") WITH THE MAXIMUM SIDE RATIO OF WHICH

PROVIDE JOINTS OR REINFORCEMENT AT ALL RE-ENTRANT SLAB CORNERS SUCH AS INSIDE CORNERS OF AN L-SHAPED SLAB. IF REINFORCEMENT IS UTILIZED, THESE RE-ENTRANT CORNERS SHALL HAVE TWO PIECES OF #4 REINFORCING BAR 48 INCHES LONG PLACED DIAGONALLY TO THE CORNER, 12 INCHES APART, WITH THE FIRST BAR PLACED 2 INCHES FROM THE CORNER. ALL REINFORCEMENT SHALL BE APPROPRIATELY POSITIONED IN THE UPPER THIRD OF THE SLAB.

- 4. ALL STEEL BAR REINFORCEMENT SHALL BE A.S.T.M. A-615, GRADE 60.
- 5. MAINTAIN MINIMUM CONCRETE COVERAGE FOR REINFORCING STEEL AS INDICATED UNLESS OTHERWISE NOTED IN THE DRAWINGS.
  - A. 3" CLEAR WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH.
- B. 2" CLEAR WHERE CONCRETE IS EXPOSED TO EARTH OR WEATHER BUT CAST AGAINST FORMS FOR BARS #6 OR LARGER.
- C. 1 1/2" CLEAR WHERE CONCRETE IS EXPOSED TO EARTH OR WEATHER BUT CAST AGAINST FORMS FOR BARS #5 OR SMALLER.
- D. 3/4" CLEAR FOR SLABS AND WALLS FORMED ABOVE GRADE AND NOT EXPOSED TO WEATHER.
- E. 1-1/2" CLEAR FOR BEAMS AND COLUMNS FORMED ABOVE GRADE AND NOT EXPOSED TO WEATHER.
- 6. UNLESS NOTED OTHERWISE IN THE DRAWINGS, CAST IN PLACE CONCRETE SHALL HAVE THE FOLLOWING TRIM STEEL ADDED AROUND ALL OPENINGS: TWO (2) #5 BARS (LENGTH OF BARS = LENGTH OF OPENING + 4'-0") ALONG EACH SIDE OF OPENING AND TWO (2) #5 x 5'-0" DIAGONALLY AT EACH CORNER.
- 7. FOOTINGS ARE DESIGNED FOR AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2000 P.S.F. ALL FOOTING EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF CONCRETE. FOR DETAILS OF FILL AND COMPACTION REQUIREMENTS, REFER TO CIVIL DRAWINGS AND THE SPECIFICATIONS. SLAB ON GRADE DESIGNED FOR A SUBGRADE REACTION OF 125 P.C.I.
- 8. WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR COLD—DRAWN STEEL WIRE FOR CONCRETE REINFORCEMENT A.S.T.M. A—185. ALL WELDED WIRE FABRIC SHALL BE CLEAN AND FREE OF EXCESSIVE RUST.
- 9. DESIGN OF CONCRETE STRUCTURAL ELEMENTS IS IN ACCORDANCE WITH ACI 318-11 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE)
- 10. RESULTS FOR ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE AT THE JOB SITE.
- 11. SEE ARCHITECTURAL DRAWINGS/SPECIFICATIONS FOR CONCRETE FLOOR FINISH REQUIREMENTS.
- 12. FLY ASH MAY BE USED AS A DIRECT SUBSTITUTE FOR PORTLAND CEMENT. FLY ASH MUST CONFORM TO ALL ASPECTS OF ASTM C618-84 STANDARD SPECIFICATION FOR FLY ASH. CLASS F OR CLASS C FLY ASH MAY BE USED, HOWEVER, TOTAL LOSS ON IGNITION OF FLY ASH MUST BE 3% OR LESS. FLY ASH MAY BE SUBSTITUTED ON A 1:1 RATIO BY WEIGHT AND ONLY UP TO A 20% REDUCTION IN THE ORIGINAL CEMENT CONTENT. CONCRETE PROPORTIONS SHALL BE SELECTED ON THE BASIS OF TRIAL MIXES CONFORMING TO A.C.I. 211.1.
- 13. ALL CONCRETE SHALL BE OF NORMAL WEIGHT (HARD ROCK, AGGREGATE).
  CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE AMERICAN
  CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS
- 14. ALL CONCRETE SHALL BE DESIGNED, MIXED, TRANSPORTED AND PLACED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF ACI.
- SHALL BE PROVIDED TO PREVENT FORMATION OF SHRINKAGE CRACKS.

15. ADEQUATE CURING OF CONCRETE, ESPECIALLY DURING HOT WEATHER,

- 16. CONCRETE SURFACES SHALL BE FINISHED AS CALLED FOR ON PLANS AND SPECIFICATIONS, OR AS DIRECTED BY THE OWNER.
- 17. ALL REINFORCEMENT SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI "MANUAL OF STANDARD PRAC—TICES FOR DETAILING CONCRETE STRUCTURES,"
- 18. REINFORCEMENT SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENTS DURING PLACEMENT OF CON—CRETE. REINFORCEMENT SHALL BE SUPPORTED WITH PLASTIC CHAIRS OR BOLSTERS AND SHALL BE TIED AT EVERY OTHER INTERSECTION. ALL REINFORCING STEEL SHALL BE SECURELY WIRED AND PROPERLY SUPPORTED ABOVE GROUND AND AWAY FROM FORMS
- 19. SPLICE BARS IN MEMBERS SUCH AS SPANDRELS, BEAMS, ETC AS FOLLOWS: TOP BARS AT CENTERLINE OF SPAN, BOTTOM BARS AT THE SUPPORT.
- 20. CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSE CLEAN, SOLIDLY EMBEDDED AGGREGATE. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL OF CONSTRUCTION JOINT LOCATION IN SLABS AND BEAMS.
- 21. TEMPERATURE AND SHRINKAGE REINFORCEMENT:
  LAP OF THIRTY (30) BAR DIAMETERS, BUT NOT LESS THAN 18 INCHES, AND THE
  SPLICES IN ADJACENT BARS SHALL BE A MINIMUM OF (5) FEET APART
- 22. CONCRETE TEST REPORTS SHALL BE AVAILABLE AT THE JOB SITE

## MICHAEL JON MUM MCCAULEY, P.E. STRUCTURAL ENGINEERING

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(678) 373-6691 OFFICE
(404) 592-6179 FAX
COA#: PEFOO7101

NOTE:
These drawings are NOT TO BE REPRODUCED for the purpose of generating shop drawings without the WRITTEN APPROVAL of the STRUCTURAL ENGINEER.

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Stamp



EVA PAVILION

)3/08/23

Sheet Title

GENERAL

NOTES

S<sub>1.0</sub>

## STEEL NOTES:

- 1. ALL STRUCTURAL STEEL SHALL BE PROVIDED AS FOLLOWS:

  RECTANGULAR/SQUARE HSS SHAPES (ASTM A500 Gr. B)

  ROUND HSS SHAPES (ASTM A500 Gr. B)

  STEEL PIPES (ASTM A53 Gr. B)

  W SHAPES (ASTM A992)

  C SHAPES (ASTM A572)

  STRUCTURAL STEEL U.N.O. (ASTM A36)

  46 K.S.I. YIELD

  42 K.S.I. YIELD

  50 K.S.I. YIELD

  50 K.S.I. YIELD
- 2. ALL STRUCTURAL FASTENERS SHALL BE PROVIDED AS FOLLOWS:

BOLTED CONNECTIONS IN STEEL FRAMEWORK U.N.O.  $(\frac{3}{4})^{\circ}$  MIN. ASTM A325-N)

ALL SLIP CRITICAL CONNECTIONS SHALL BE 7/8" Ø A490 BOLTS WITH STANDARD HOLES PRETENSIONED PER AISC MANUAL 13th EDITION TABLE J3.1 (4 BOLTS MIN.)

CARBON AND ALLOY NUTS (ASTM A563)

ANCHOR ROD NUTS SHALL BE HEAVY HEX NUTS GRADE A EXCEPT THAT GRADE DH SHALL BE USED FOR Gr. 105 ANCHOR RODS

HARDENED STEEL WASHERS (ASTM F436)

PLATE WASHERS (ASTM A36)

U.N.O. MINIMUM WASHER SIZE FOR ANCHOR RODS IN BASE PLATES SHALL BE AS FOLLOWS:

- A. U.N.O. MINIMUM WASHER SIZE AND THICKNESS SHALL BE IN COMPLIANCE WITH THE AISC MANUAL 13th EDITION (PART 14: TABLE 14-2) FOR THE GIVEN ROD DIAMETER.
- B. HOLE DIAMETER SHALL BE  $^{1}/_{16}$ " LARGER THAN ANCHOR ROD DIAMETER (I.E. STANDARD HOLES)

COMPRESSABLE-WASHER-TYPE DIRECT TENSION INDICATORS (ASTM F959)

THREADED RODS (ASTM A36)

 $\frac{3}{4}$  % ANCHOR RODS (THREADED) U.N.O. (ASTM F1554 Gr. 36)

3. U.N.O. COLUMN BASE PLATES SHALL BE 6" LARGER IN EACH DIRECTION THAN THE NOMINAL DIMENSION OF THE SUPPORTED COLUMN (i.e. 12" SQUARE BASE PLATE FOR 6"Ø OR 6" SQ. COLUMN and 10" SQUARE BASE PLATE FOR 4"Ø OR 4" SQ. COLUMN). ALL BASE PLATES SHALL BE ANCHORED TO FOOTING BELOW WITH 4 — 3/4"Ø x 1'—1" THREADED ANCHOR RODS (9" EMBEDMENT+ 4" PROJECTION) UNLESS SPECIFICALLY NOTED OTHERWISE. THREADED ANCHOR RODS SHALL HAVE DOUBLE HEAVY HEX NUTS AT THE ANCHORED END. THE DOUBLE NUTS AT THE ANCHORED END ARE REQUIRED TO PREVENT ROTATION DURING TIGHTENING OF THE ANCHOR. AS SUCH, THE BOTTOM NUT IS ESSENTIALLY A JAMB NUT.

BASE PLATES SHALL BE  $\frac{3}{4}$ " THICK U.N.O. PROVIDE A MAX HOLE DIAMETER, PER AISC MANUAL 13th EDITION (PART 14: TABLE 14–2), FOR THE GIVEN ROD DIAMETER. IF THE SMALLER DIMENSION OF THE BASE PLATE IS GREATER THAN 24 INCHES, PROVIDE 2" DIAMETER GROUT HOLES IN THE INTERIOR OF THE BASE PLATE. IF MORE THAN ONE HOLE IS REQUIRED, THEY SHALL BE SPACED APPROXIMATELY 18" APART. AT A MINIMUM, ALL BASE PLATES WITH A SURFACE AREA GREATER THAN 200 SQUARE INCHES SHALL HAVE  $\frac{1}{4}$ "  $\emptyset$  AIR RELIEF HOLE(S) IN THE INTERIOR OF THE BASE PLATE AT A MAX SPACING OF 18" O.C. TO RELIEVE THE ENTRAPPED AIR AS THE GROUT IS PUMPED FROM THE EDGE AND TO ENSURE FULL BEARING. THE BASE PLATE MUST BE IN DIRECT CONTACT WITH THE GROUT AND NOT BE SUPPORTED BY LEVELING NUTS OR PERMANENT SHIM PACTS. ONE TECHNIQUE TO ACHIEVE FULL GROUT SUPPORT IS TO SET THE BASE PLATE ON TEMPORARY SHIM PACTS (SHIM STACK METHOD) TO THE PROPER ELEVATION, GROUT THE BASE PLATE AND THEN REMOVE THE SHIMS AND GROUT THE RESULTING VOIDS.

- 4. COORDINATE PRIMER FOR ALL EXPOSED STEEL WITH REQUIREMENTS OF SECTION 09960.
- 5. CONTRACTOR SHALL PROVIDE CONTINUOUS L 5x3x1/4" (L.L.V.) OR  $4x3x^{1}/_{4}$ " (L.L.V.) AS TYPICAL SLAB CLOSURE ANGLES U.N.O. ON PLANS, DETAILS OR SECTIONS.
- 6. STRUCTURAL STEEL MEMBERS THAT ARE TO RECEIVE SPRAYED—ON FIREPROOFING OR BE ENCASED IN LIGHTWEIGHT CONCRETE SHALL NOT BE SHOP PRIMED OR PAINTED.
- 7. UNLESS NOTED OTHERWISE IN THE DRAWINGS, ALL FILLET WELDS SHALL BE 3/16". ALL WELDS SHALL BE MADE WITH E-70 ELECTRODES. MIN LENGTH OF INTERMITTENT WELDS SHALL BE 1". WELD SPACING SHALL BE 6" O.C. UNLESS NOTED OTHERWISE.
- 8. UNLESS OTHERWISE SHOWN, ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED OR SEATED CONNECTIONS AS SHOWN IN PART 3 OF THE AISC MANUAL OF STEEL CONSTRUCTION. UNLESS GREATER REACTIONS ARE INDICATED ON THE PLANS, CONNECTIONS SHALL DEVELOP AT LEAST 70% OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE AISC MANUAL 13th EDITION (Part 3: TABLES 3-6 THRU 3-9) FOR THE GIVEN SHAPE AND SPAN OF THE BEAM IN QUESTION. IN NO CASE HOWEVER, SHALL THE DEPTH OF THE FRAMED CONNECTIONS BE LESS THAN 80% OF THE "T" DISTANCE OF THE BEAM WEB.
- 9. GRIND EXPOSED WELDS SMOOTH AND FLUSH, TO MATCH AND BLEND WITH ADJOINING SURFACES.
- 10. PROVIDE ONE SHOP COAT OF A RUST INHIBITIVE PRIMER TO ALL STRUCTURAL STEEL MEMBERS. DO NOT PAINT SURFACES TO BE WELDED, EMBEDDED IN CONCRETE OR MASONRY, OR CONTACT SURFACES OF FRICTION CONNECTIONS. STEEL IN NON—CORROSIVE ENVIRONMENTS TO BE EMBEDDED IN CONCRETE WITH ADEQUATE COVER FOR THE ENTIRE LENGTH OF THE MEMBER NEED NOT BE GALVANIZED, BUT IF ANY PORTION OF THE STEEL IS EXPOSED TO THE ENVIRONMENT THEN THE ENTIRE STEEL MEMBER TO BE EMBEDDED IN CONCRETE SHALL BE GALVANIZED DUE TO DISSIMILAR MATERIALS PRODUCING A GALVANIC CELL.

WHERE APPLICABLE, ALL STRUCTURAL STEEL THAT WILL BE PERMANENTLY EXPOSED TO THE WEATHER SHALL HAVE A PROTECTIVE COATING APPLIED PER THE SSPC (SOCIETY FOR PROTECTIVE COATINGS) SPECIFICATIONS AND RECOMMENDATIONS. REFER TO SSPC'S GUIDELINES OR THE MANUFACTURER FOR MAINTENANCE PROCEDURES.

- 11. ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1-10 STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
- 12. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2009 "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS." WELDED CONNECTIONS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY (SECTION 2207).
- 13. FABRICATION AND/OR ERECTION OF STRUCTURAL STEEL MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL OF STEEL CONSTRUCTION," LATEST EDITION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
- 14. ROOF AND FLOOR DECK SHALL BE STEEL DECK AS INDICATED ON PLANS. DECKING SHALL BE ATTACHED TO SUPPORTING MEMBERS AND CLOSURE ANGLES AND/OR PLATES IN ACCORDANCE WITH VULCRAFT WELD PATTERN STATED ON FRAMING PLANS. DECKING SHALL BE CONTINUOUS OVER (3) SPANS MINIMUM. WELDS AT PERIMETER ARE NOT TO EXCEED THE LESSER OF THE VULCRAFT ATTACHMENT PATTERN SHOWN ON PLAN OR 6".
  - \* USE DECK SIDE LAPS AS SHOWN ON PLANS AT PANEL EDGES:
  - \* ROOF SHEAR CAPACITIES ARE PER SDI (STEEL DECK INSTITUTE)
    DIAPHRAGM DESIGN MANUAL, SECOND EDITION (DDM02) CALCULATIONS AND VULCRAFT
    DIAPHRAGM SHEAR STRENGTH AND STIFFNESS TABLES.

## STEEL NOTES CONTINUED:

METAL ROOF DECK NOTES:

THE REQUIREMENTS NOTED ON THE PLANS.

APPROVAL OF THE ARCHITECT/ENGINEER.

1. DECK SHALL BE FASTENED TO SUPPORT STRUCTURE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S AND STEEL DECK INSTITUTE RECOMMENDATIONS BUT NOT LESS THAN

3. HANGERS SHALL NOT BE ATTACHED TO THE ROOF DECK WITHOUT THE PRIOR WRITTEN

SHALL BE ATTACHED TO SUPPORTING MEMBERS AND CLOSURE ANGLES AND/OR

DESIGN MANUAL, SECOND EDITION (DDM02) CALCULATIONS AND VULCRAFT

PLATES IN ACCORDANCE WITH VULCRAFT WELD PATTERN STATED ON FRAMING

WELDS AT PERIMETER ARE NOT TO EXCEED THE LESSER OF THE VULCRAFT

\* SHEAR CAPACITIES ARE PER SDI (STEEL DECK INSTITUTE) DIAPHRAGM

4. THE DECK SHALL BE AS MANUFACTURED BY VULCRAFT/NUCOR OR APPROVED.

2. ROOF DECK SHALL BE INSTALLED THREE SPAN CONTINUOUS MINIMUM.

5. ROOF DECK SHALL BE STEEL DECK AS INDICATED ON PLANS. DECKING

PLANS. DECKING SHALL BE CONTINUOUS OVER (3) SPANS MINIMUM.

\* USE DECK SIDE LAPS AS SHOWN ON PLANS AT PANEL EDGES:

ATTACHMENT PATTERN SHOWN ON PLAN OR 6" ON CENTER.

DIAPHRAGM SHEAR STRENGTH AND STIFFNESS TABLES.

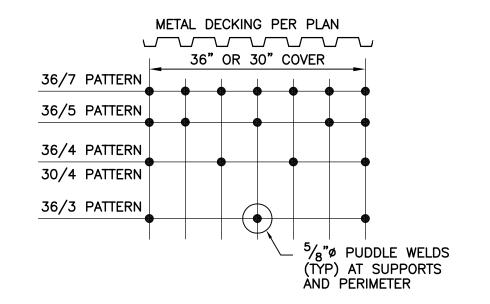
6. SEE DETAIL 1/S1.2 FOR DECK ATTACHMENT PATTERNS.

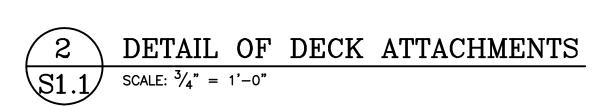
- 15. INSTALLER QUALIFICATIONS: A QUALIFIED INSTALLER WHO PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AS AN AISC—CERTIFIED ERECTOR, CATEGORY CSF
- 16. FABRICATOR QUALIFICATIONS: A QUALIFIED FABRICATOR WHO PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC—CERTIFIED PLAN, CATEGORY Sbd.
- 17. THE DESIGN OF SPECIAL CONNECTIONS BETWEEN STEEL FRAMING COMPONENTS BY OTHER THAN THE PROJECT STRUCTURAL ENGINEER—OF—RECORD SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SHALL INCLUDE SIMPLE SHEAR BEAM TO COLUMN CONNECTIONS.
- 18. COAT ALL COLUMN BASES EXPOSED TO EARTH W/ BITUMASTIC COATING

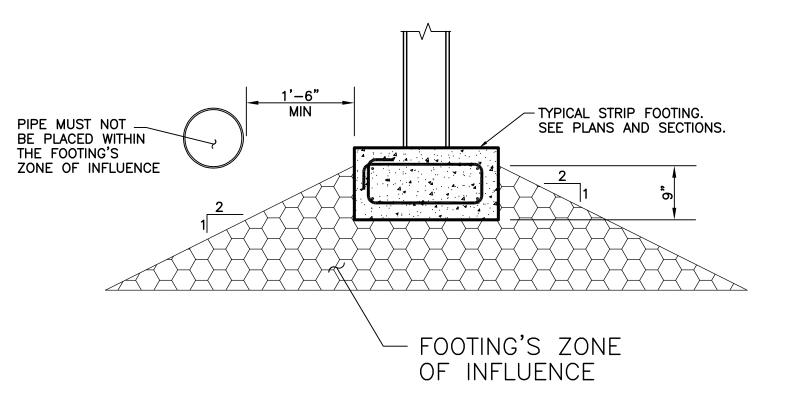
# 8" (800T125-43) CONTINUOUS CL600-118 STIFFCLIP MANUFACTURED BY THE STEEL RETWORK OR EQUIVALENT. (TYP) SIX (6) (TYPE-1) FASTENERS (PATTERN 3) (TYP) SEE PLAN FOR STEEL HSS BEAM.

ONE (1) TYPE-1 FASTENER PER FLANGE. (TYP)

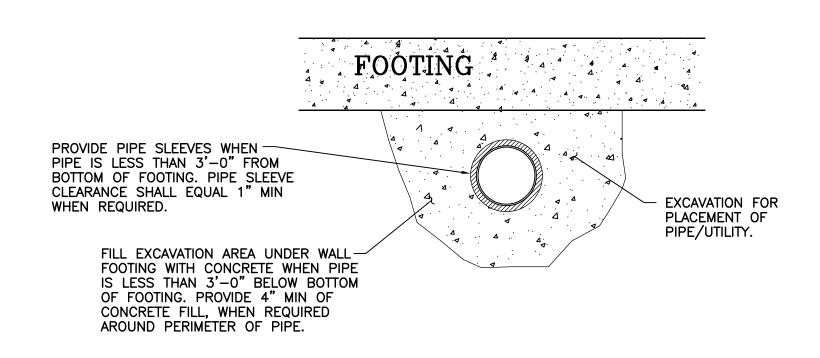








PIPE/UTILITY
PARALLEL TO FOOTING AND WALL



PIPE/UTILITY
PERPENDICULAR TO FOOTING

MICHAEL

JON MUM

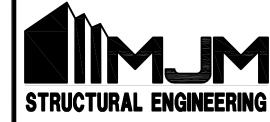
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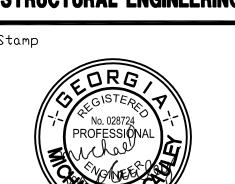
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Revisions

No. Date Description

VA PAVILION

3/08/23

03/08/23

Sheet Title

GENERAL
NOTES
& SECTIONS

S1.1

NOTE TO CONTRACTOR: INSTALL BRACING AT 48" O.C. VERTICAL. BRACING SHALL BE INSTALLED AT ALL EXTERIOR WALL STUDS.

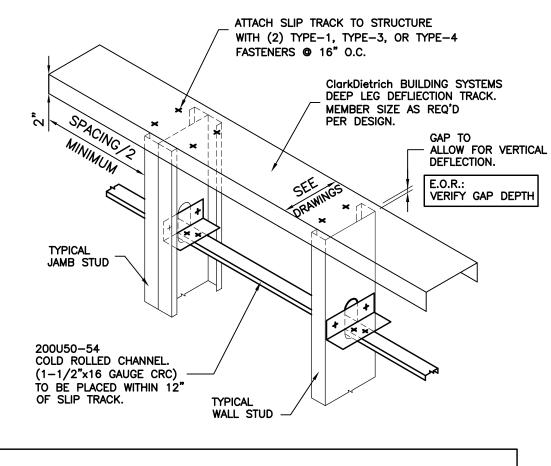
WHERE BRACING IERMINAIES AT BUILT-UP JAMB OR POST EXTEND CHANNEL INTO PUNCH-OUT ATTACH W/ CONNECTOR PER TABLE 3 USING (2) #10-16 SCREWS TO JAMB/POST AND (2) #10-16 SCREWS TO U-CHANNEL

CONNECTOR PER TABLE 1. ATTACH USING (4) #10-16 SCREWS. CLIP ANGLE TO BE PLACED AT EACH STUD.

	TABLE 1	
STUD WIDTH	CONNECT	OR
3-5/8"	ClarkDietrich	U543/X543
4"	ClarkDietrich	U543/X543
6"	ClarkDietrich	U545/X54
8"	ClarkDietrich	U547/X54

T/	ABLE 2
STUD WIDTH	CRC
3-1/2" - 8"	200U50-54
2-1/2"	075U50-54

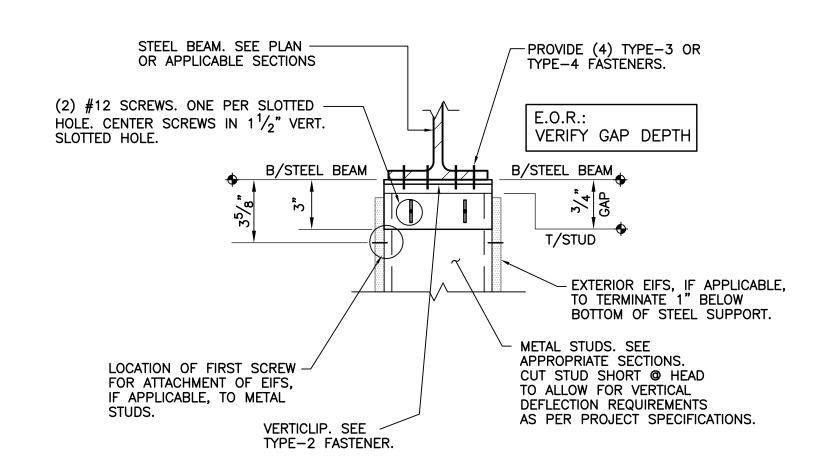
TA	ABLE 3
STUD WIDTH	CONNECTOR
3-5/8"	ClarkDietrich B543
4"	ClarkDietrich B543
6"	ClarkDietrich B545
8"	ClarkDietrich B547



STUD WALL WITH CRC LATERAL BRACING WITHIN 12" OF SLIP TRACK

DEEP LEG SLIP TRACK (TYPE-8 FASTENER) SCALE: N.T.S.

TYPE-6 FASTENER



SCALE: N.T.S.

VERTICLIP SL (TYPE-2 FASTENER)

TYPE-6 FASTENER

Three Anchors

MANUFACTURED BY THE STEEL NETWORK

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No. Date Description

TYPE-8 FASTENERS.

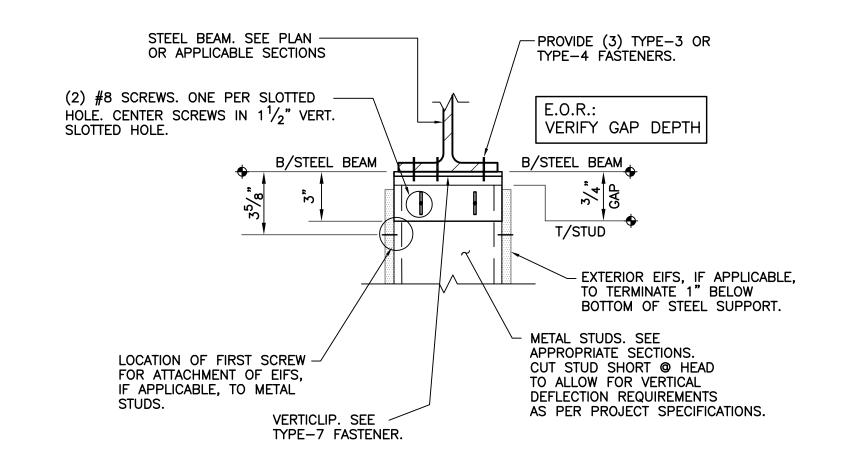
SIMPSON STRONG-TIE SCB45.5 CONNECTOR SCALE: N.T.S.

11/4"

(MSCB similar)

TYPE-6 FASTENER

## TYPICAL WEAK AXIS STUD BRACING SCALE: N.T.S.



VERTICLIP SLD (TYPE-7 FASTENER) SCALE: N.T.S. MANUFACTURED BY THE STEEL NETWORK

TYPE-1 FASTENERS. ITW BUILDEX TEKS #12-14 x  $\frac{3}{4}$ " SELF TAPPING SCREWS. MINIMUM SPACING =  $\frac{3}{4}$ " MINIMUM EDGE DISTANCE =  $\frac{3}{4}$ " MIN THREAD LENGTH = THICKNESS OF MATERIAL BEING FASTENED PLUS THICKNESS OF BASE MATERIAL MIN SCREW POINT# SHALL BE BASED UPON (I.E. #1, #2, #3, #4, OR #5 POINTS) MIN COLD FORM THICKNESS = 20GA (.0346") ALLOWABLE SHEAR/FASTENER = 188 LB ALLOWABLE TENSION/FASTENER = 102 LB MIN COLD FORM THICKNESS = 18GA (.0451' ALLOWABLE SHEAR/FASTENER = 280 LB ALLOWABLE TENSION/FASTENER = 133 LB |MIN COLD FORM THICKNESS = 16GA (.0566")ALLOWABLE SHEAR/FASTENER = 569 LB ALLOWABLE TENSION/FASTENER = 283 LB MIN COLD FORM THICKNESS = 22 GA (.029)

ALLOWABLE TENSION/FASTENER = 78 LB

TYPE-2 FASTENERS. TSN  $1\frac{1}{2}$ " x 3" x STUD DEPTH VERTICLIP SL SERIES OR EQUIVALENT WITH (2) SLOTS. VERTICLIP THICKNESS = 0.0713" (14GA; 68MIL) TOTAL VERTICAL DEFLECTION OF UP TO  $1\frac{1}{2}$ "  $(\frac{3}{4}$ " UP AND  $\frac{3}{4}$ " DOWN)

ASTM A1003/A1003M, GRADE 50 BASE MATERIAL THICKNESS PER MANUF. SPECS | Fy = 50 K.S.I.; Fu = 65 K.S.I.

G90 HOT DIPPED GALVANIZED COATING CUT STUD SHORT @ HEAD TO ALLOW FOR VERTICAL DEFLECTION REQUIREMENTS AS PER PROJECT

ALLOWABLE HORIZONTAL LOAD = 561 LBS/CLIP (BOTH DIRECTIONS) FOR 43 MIL STUDS. ALLOWABLE HORIZONTAL LOAD = 1138 LBS/CLIP (BOTH DIRECTIONS) FOR 54 MIL STUDS.

ERECT STUDS AFTER ALL DEAD LOAD HAS BEEN APPLIED PROVIDE (4) TYPE-3 OR TYPE-4 FASTENERS FROM VERT CLIP TO CONCRETE OR RED IRON.

SEE SECTION 4/S1.2

CONCRETE FASTENERS KWIK-CON II CONCRETE SCREWS NOMINAL ANCHOR DIAMETER =  $\frac{1}{4}$ " MINIMUM EDGE DISTANCE =  $1\frac{1}{2}$  INCHES MINIMUM SPACING DISTANCE = 3 INCHES MINIMUM F'c = 2000 P.S.I. NORMAL WEIGHT MINIMUM EMBEDMENT DEPTH =  $1\frac{3}{4}$  INCH DRIVE FASTENERS FLUSH INTO CONCRETE ASD TENSION = 425 LBS IN CONCRETE ASD SHEAR = 560 LBS IN CONCRETE MINIMUM METAL STUD THICKNESS = 43 MILS HEAD DIAMATER = 0.3125 INCHES

TYPE-3 FASTENERS.

ASD TENSION = 317 LBS ASD SHEAR = 456 LBS MINIMUM METAL STUD THICKNESS = 33 MILS HEAD DIAMATER = 0.3125 INCHES

ASD SHEAR = 350 LBS

TYPE-4 FASTENERS. STEEL FASTENERS (ESR-2269) HILTI X-U POWER-ACTUATED FASTENERS SHANK DIAMETER = 0.157 INCHES HEAD DIAMATER = 0.32 INCHES MINIMUM Fy >=36 K.S.I. BASE MATERIAL MINIMUM Fu >=58 K.S.I. BASE MATERIAL MINIMUM STEEL THICKNESS =  $\frac{3}{16}$ " FASTENERS MUST BE DRIVEN TO WHERE THE POINT OF THE FASTENER PENETRATES THROUGH THE STEEL BASE MATERIAL MINIMUM EDGE DISTANCE =  $\frac{1}{2}$  INCHES MINIMUM SPACING DISTANCE = 1 INCHES ASD TENSION = 500 LBS IN STEEL ASD SHEAR = 720 LBS IN STEEL MINIMUM METAL STUD THICKNESS = 33 MILS (20GA)

ASD TENSION = 249 LBS ASD SHEAR = 220 LBS MINIMUM METAL STUD THICKNESS = 43 MILS (18GA) ASD SHEAR = 286 LBS ASD TENSION = 324 LBS PULL OVER ASD TENSION = 310 LBS IN 43 MIL STUDS MINIMUM METAL STUD THICKNESS = 54 MILS (16GA) ASD SHEAR = 519 LBS ASD TENSION = 500 LBS PULL OVER

FASTENER SCHEDULE OR APPROVED ALTERNATE FOR COLD-FORMED SECTIONS TYPE-5 FASTENERS. BY-PASS FRAMING CLIP MASONRY FASTENERS KWIK-CON II MASONRY SCREWS CONCRETE BLOCK ASTM C90 NOMINAL ANCHOR DIAMETER =  $\frac{1}{4}$ " MINIMUM EDGE DISTANCE =  $1\frac{1}{2}$  INCHES MINIMUM SPACING DISTANCE = 3 INCHES MINIMUM PRISM STRENGTH f'm = 1500 P.S.I. MINIMUM EMBEDMENT DEPTH =  $1\frac{3}{4}$ " INCH DRIVE FASTENERS FLUSH INTO MASONRY ASD TENSION = 310 LBS IN HOLLOW MASONR ASD SHEAR = 400 LBS IN HOLLOW MASONRY ASD TENSION = 350 LBS IN RED BRICK ASD SHEAR = 500 LBS IN RED BRICK ASTM C62 COMMON RED BRICK MINIMUM METAL STUD THICKNESS = 33 MILS HEAD DIAMATER = 0.3125 INCHES ASD TENSION = 243 LBS IN 33 MIL STUDS ASD SHEAR = 350 LBS IN 33 MIL STUDS ASD SHEAR = 400 LBS IN 43 MIL STUDS

F7

ATTACH CONNECTOR TO STUDS UTILIZING TWO #12-14 SHOULDER SCREWS. ATTACH CONNECTOR TO THE STEEL FRAMING UTILIZING TWO #12-14 SELF DRILLING SCREWS SIMPSON STRONG-TIE X METAL SCREWS. XQ1S1214, X1S1214 ASD SHEAR = 490 LBS FOR 33 MIL STUD THICKNESS ASD SHEAR = 610 LBS FOR 43 MIL STUD THICKNESS ASD SHEAR = 760 LBS FOR 54 MIL STUD ASD SHEAR = 760 LBS FOR 68 MIL STUD THICKNESS SEE SECTION 3/S1.2

TYPE-6 FASTENERS.

TYPE-7 FASTENERS. TSN  $1\frac{1}{2}$ " x 3" x STUD DEPTH (6" MINIMUM) SIMPSON STRONG-TIE SCB45.5 CONNECTOR VERTICLIP SLD SERIES OR EQUIVALENT. VERTICLIP THICKNESS = 0.0346" (20GA; 33MIL) TOTAL VERTICAL DEFLECTION OF UP TO  $1\frac{1}{2}$ "  $(\frac{3}{4}$ " UP AND  $\frac{3}{4}$ " DOWN) ASTM A1003/A1003M, GRADE 50 Fy = 50 K.S.I.; Fu = 65 K.S.I.

G60 HOT DIPPED GALVANIZED COATING CUT STUD SHORT @ HEAD TO ALLOW FOR VERTICAL DEFLECTION REQUIREMENTS AS PER PROJECT SPECIFICATIONS. ALLOWABLE HORIZONTAL LOAD = 405 LBS/CLIP (BOTH DIRECTIONS) FOR 43 MIL STUDS.

ERECT STUDS AFTER ALL DEAD LOAD HAS BEEN APPLIED PROVIDE (3) TYPE-3 OR TYPE-4 FASTENERS FROM VERT CLIP TO CONCRETE OR RED IRON.

SEE SECTION 5/S1.2

SEE SECTION 2/S1.2

SPECIFICATIONS.

2" DEFLECTION TRACK WITH  $\frac{3}{4}$ " MINIMUM GAP FOR LIVE LOAD DEFLECTION. INCREASE GAP AS REQUIRED PER PROJECT SPECIFICATIONS.  $Fy = 50 \text{ K.S.I. (U.N.O.)} \quad Fu = 65 \text{ K.S.I.}$ THICKNESS = SEE SECTIONS (33 MIL; 20 GA MIN.) PROVIDE (2) TYPE-3 OR TYPE-4 FASTENERS @ 16" O.C. INTO CONCRETE OR RED IRON. CUT STUD SHORT @ HEAD TO ALLOW FOR VERTICAL DEFLECTION REQUIREMENTS AS PER PROJECT

ERECT STUDS AFTER ALL DEAD LOAD HAS BEEN APPLIED

ASD POINT LOAD = 318 LBS (68 MIL; 14 GA)

ASD POINT LOAD = 519 LBS (97 MIL; 12 GA)

ASD POINT LOAD = 75 LBS (33 MIL; 20 GA) ASD POINT LOAD = 187 LBS (43 MIL; 18 GA)ASD POINT LOAD = 239 LBS (54 MIL; 16 GA) Sheet Title

METAL STUD | ! CONNECTIONS U & SECTIONS

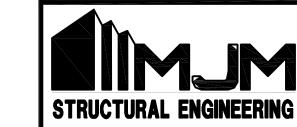
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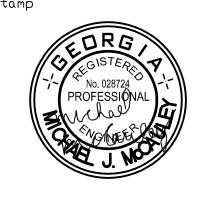
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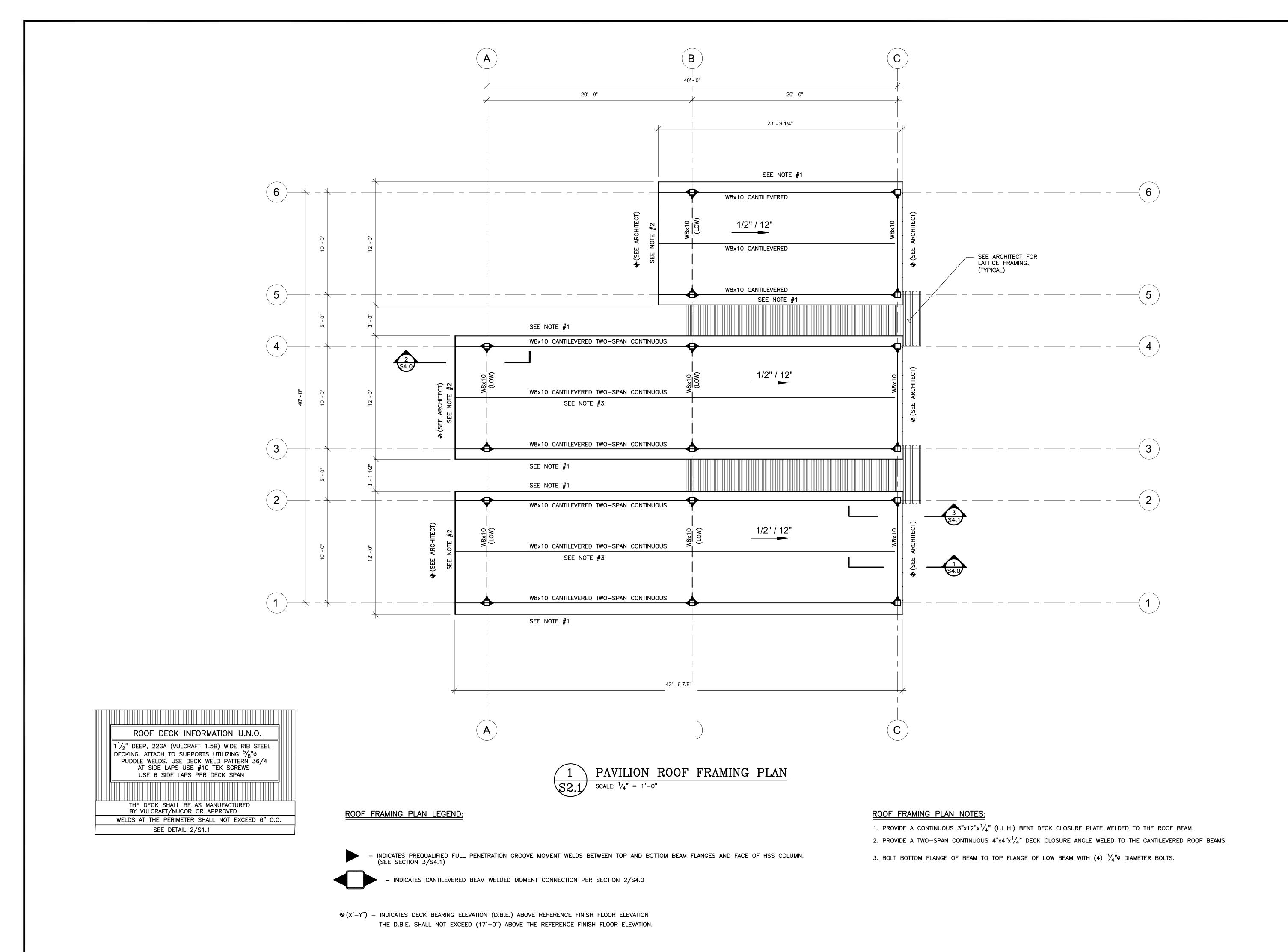
Revisions

No. Date Description

03/08/23

**PAVILION** FOUNDATION U

**PLAN** 



MICHAEL

JON MJM

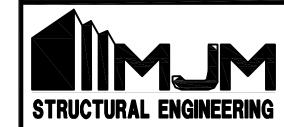
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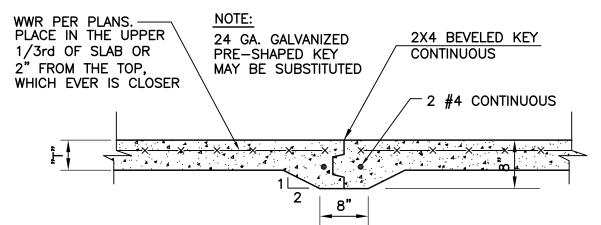
EVA PAVILION

O3/08/23

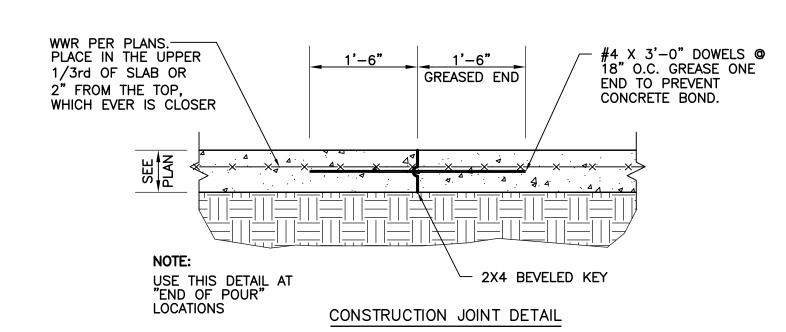
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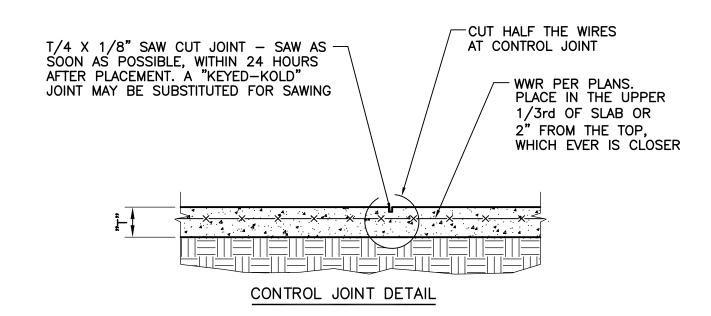
PAVILION FRAMING PLAN

S2.1



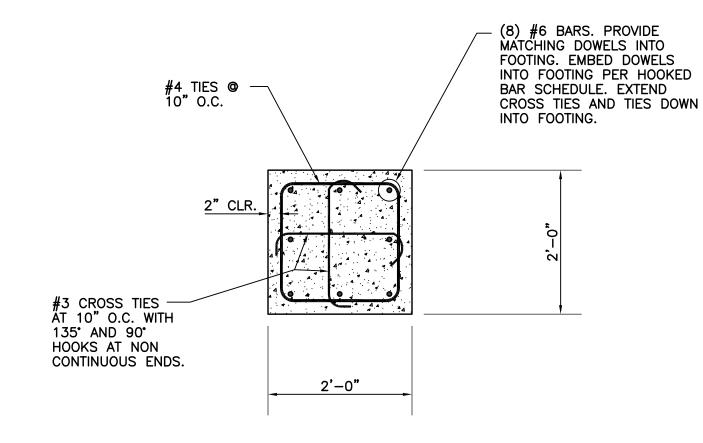
## CONSTRUCTION JOINT DETAIL ALTERNATE





## TYPICAL SLAB ON GRADE JOINT DETAILS

SCALE: NOT TO SCALE

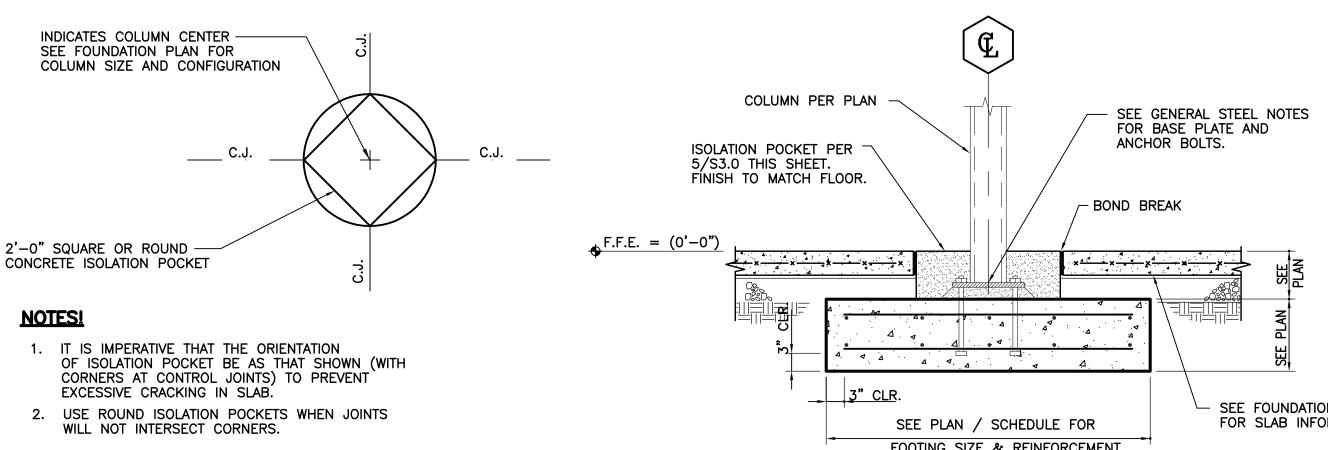




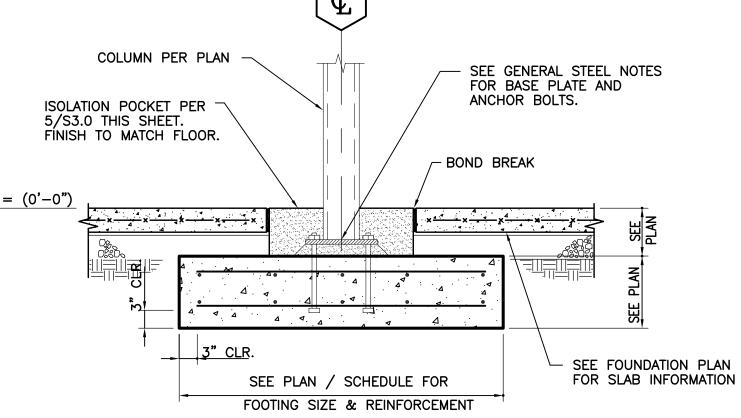
	LAP SPLICE SCHEDU	JLE
BAR SIZ	LAP SPLICE DIMEN	SION (IN)
#4	2'-5"	
<b>#</b> 5	3'-0"	
#6	3'-7"	
#7	4'-2"	
#8	4'-9"	

	 ноок	ED BAR SCH	EDULE	
	BAR SIZE	X	ldh	Υ
	#4	0'-8"	0'-8"	2'-5"
	<b>#</b> 5	0'-10"	0'-9"	3'-0"
	#6	1'-0"	0'-11 <sup>1</sup> / <sub>2</sub> "	3'-7"
_  	 #7	1'-2"	1'-1 <sup>1</sup> / <sub>2</sub> "	4'-2"
- 돌ţ	 #8	1'-4"	1'-3 <sup>1</sup> / <sub>2</sub> "	4'-9"

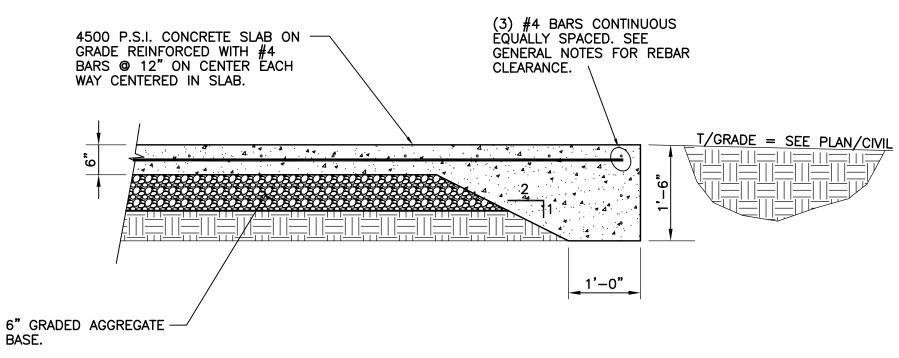
TYPICAL HOOKED BAR DIMENSION SCHEDULE SCALE: NOT TO SCALE



TYPICAL ISOLATION POCKET SCALE: NOT TO SCALE

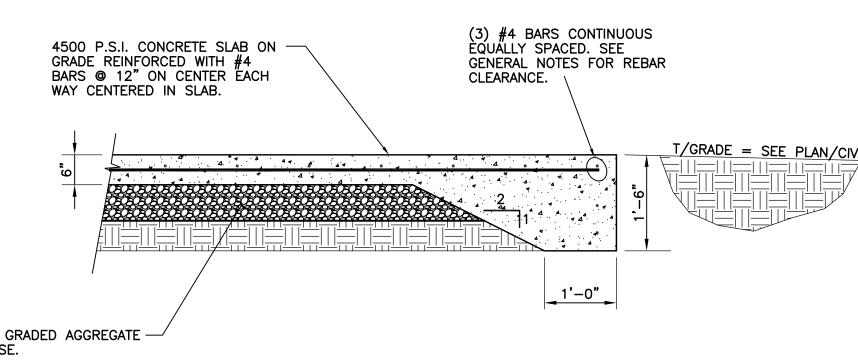


TYPICAL FOOTING SECTION SCALE: NOT TO SCALE



- #4 DEFORMED BARS @ 24" ON CENTER

SECTION AT RAMP SCALE: N.T.S.



STRUCTURAL ENGINEERIN Stamp

**| IVI**ICHAEL

NOTE:

STRUCTURAL ENGINEERING

CARTERSVILLE, GA 30120

(404) 592-6179 FAX COA#: PEF007101

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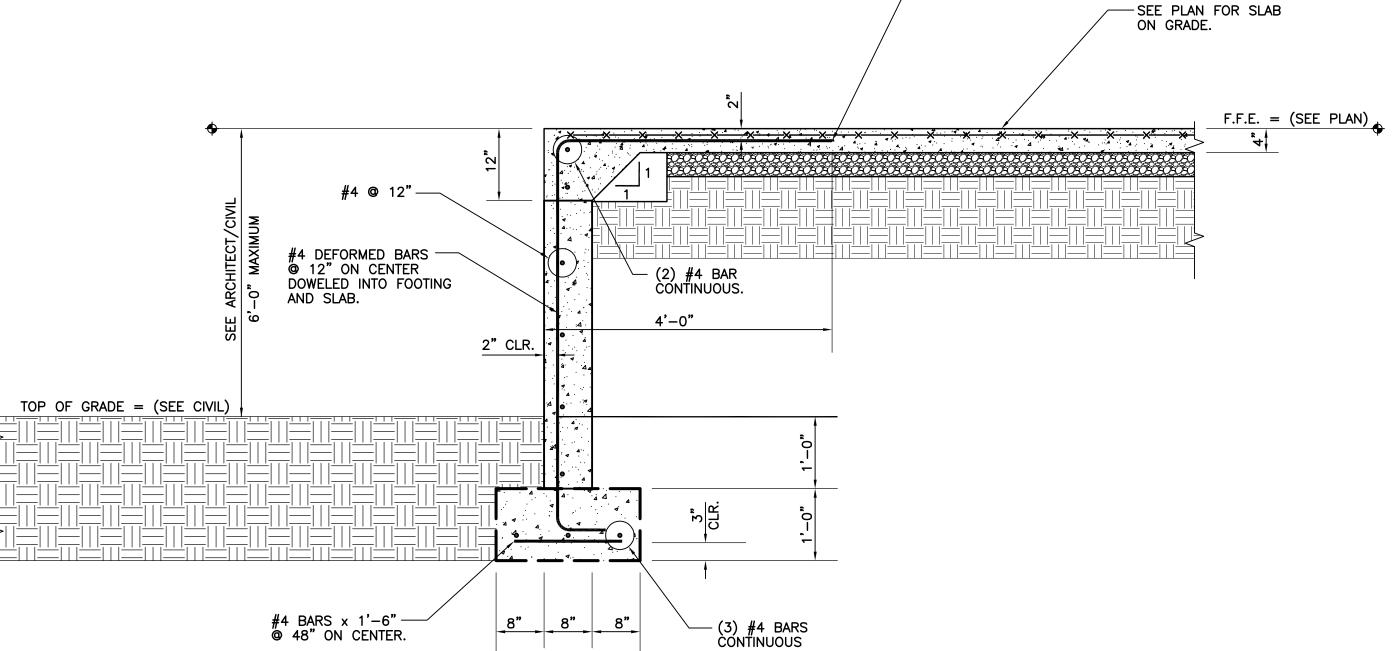
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114 OLD MILL ROAD

Revisions No. Date Description

Sheet Title

**PAVILION** FOUNDATION **SECTIONS** 



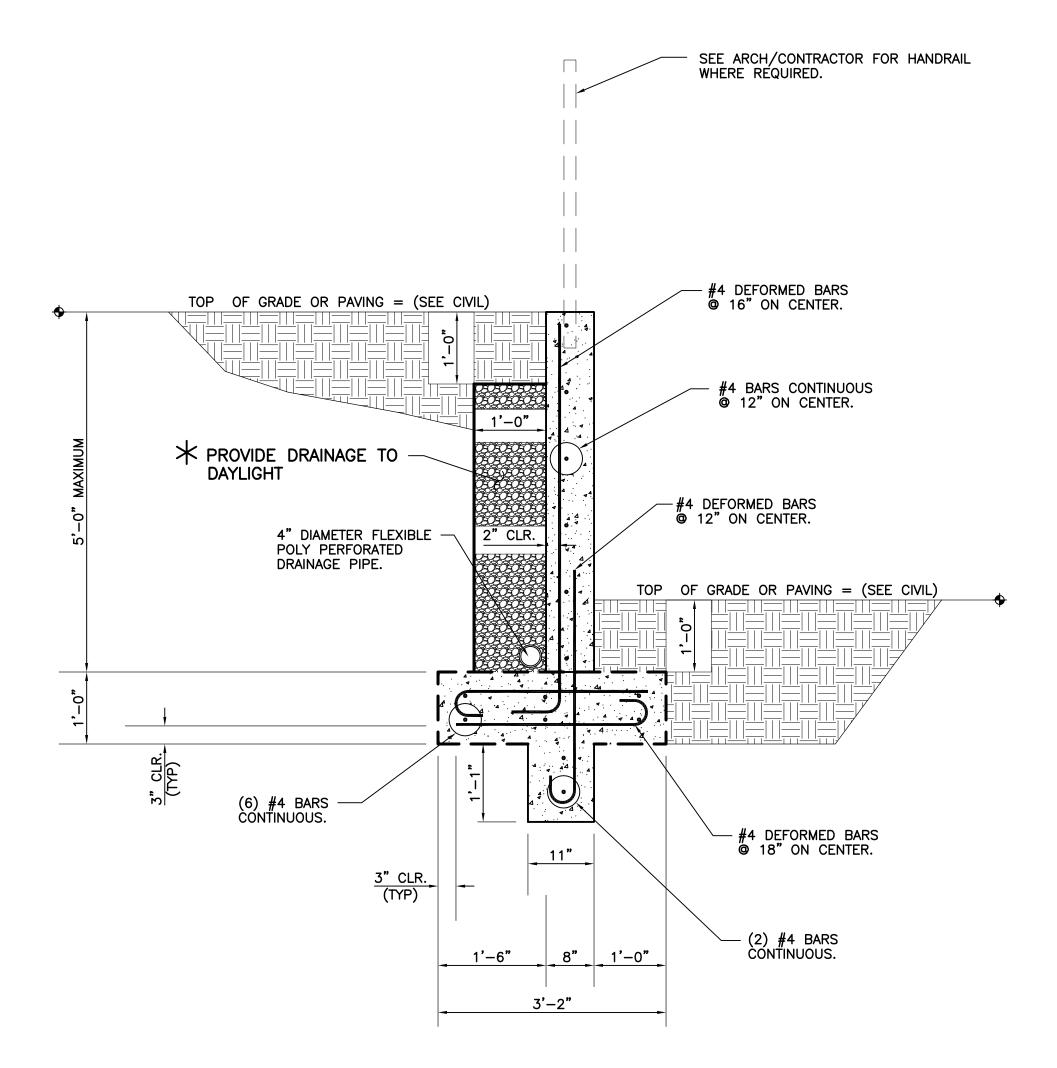
FOUNDATION WALL SECTION

SCALE: N.T.S.

03/09/23

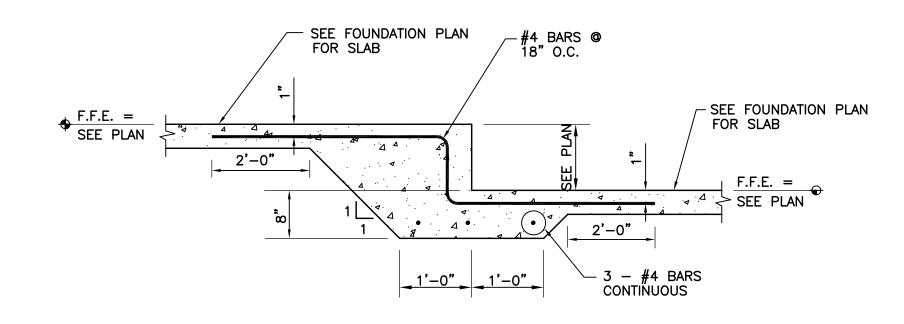
C:\MJM Engineering\Engineering Projects\2023\2023-007 Pavilion Project\2023-007\2023-007 S3.# FOUNDATION SECTIONS.dwg

TYPICAL PERIMETER TURNDOWN SLAB FOUNDATION SECTION SCALE: N.T.S.

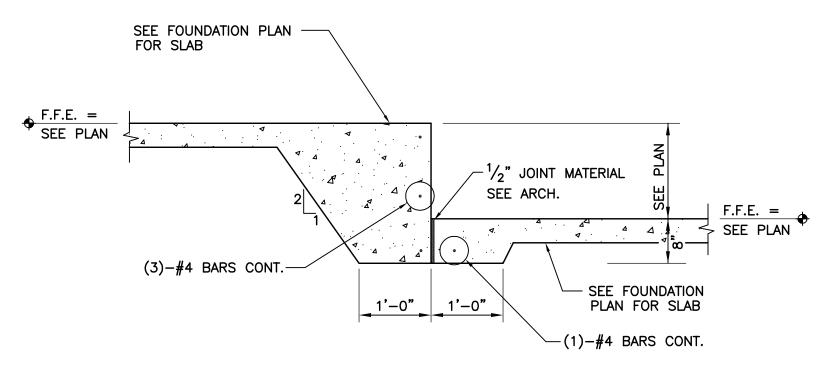


- THIS DRAINAGE SYSTEM CAN BE CONSTRUCTED OF OPEN GRADED WASHED STONE ISOLATED FROM THE SOIL BACKFILL WITH A GEOSYNTHETIC FILTER FABRIC AND DRAINED BY PERFORATED PIPE PER GEOTECH APPROVAL. NOTE: CONTRACTOR CAN SUBMIT ALTERNATE DRAINAGE SYSTEM FOR APPROVAL

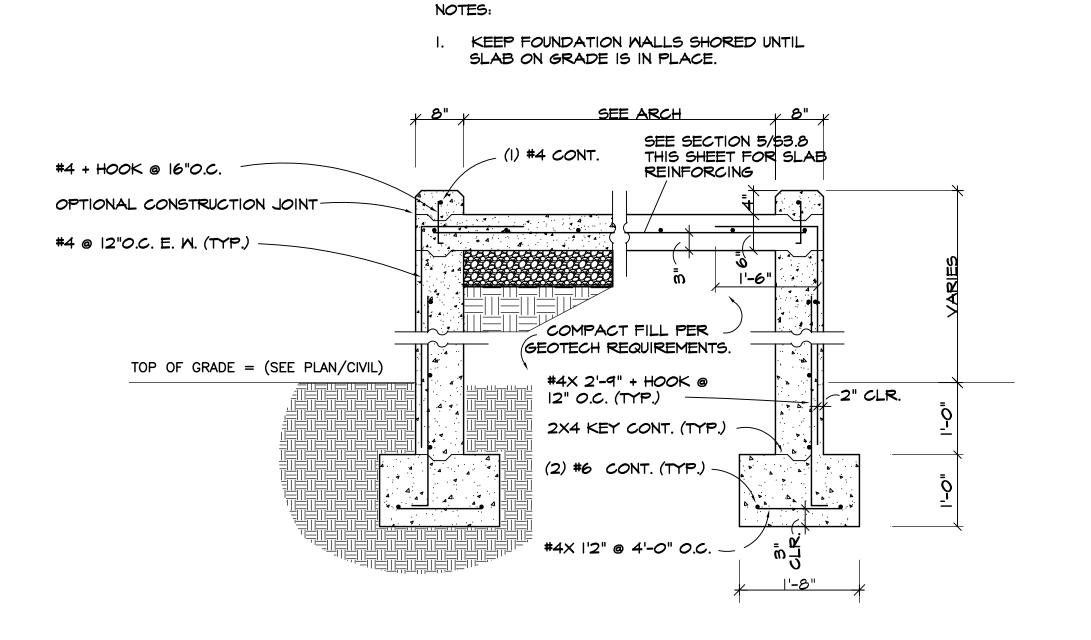
RETAINING WALL SECTION



## ALTERNATE SECTION AT FLOOR STEP



SECTION AT FLOOR STEP SCALE: N.T.S.



SECTION AT RAMP SCALE: N.T.S.

STRUCTURAL ENGINEERING

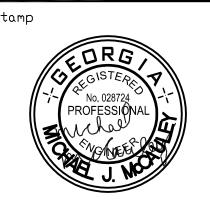
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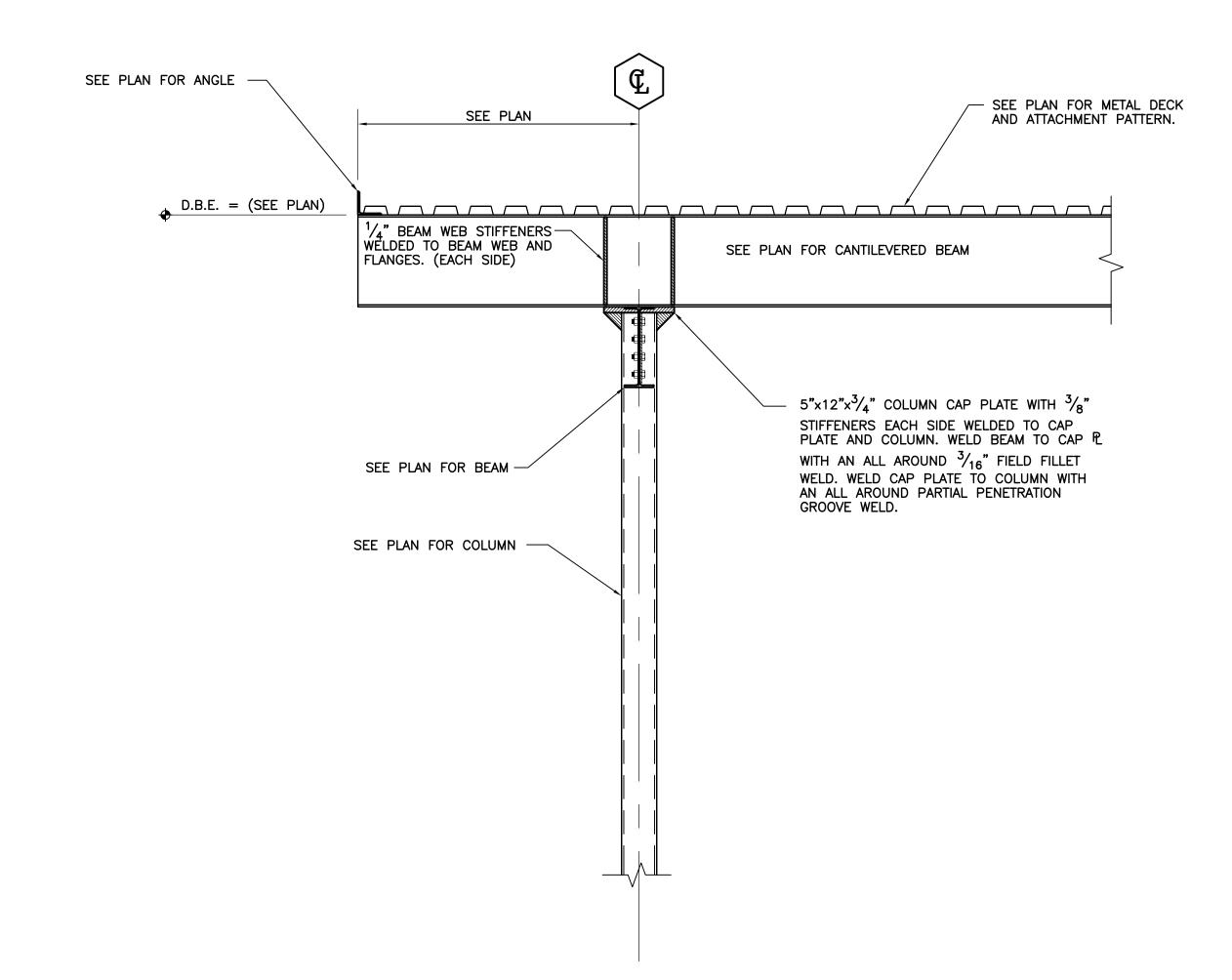
No. Date Description

03/08/23

Sheet Title

PAVILION FOUNDATION SECTIONS

SECTION THROUGH SOLID WALL \$4.0 SCALE: NOT TO SCALE



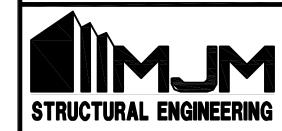
CANTILEVERED BEAM MOMENT CONNECTION SCALE: NOT TO SCALE

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Revisions

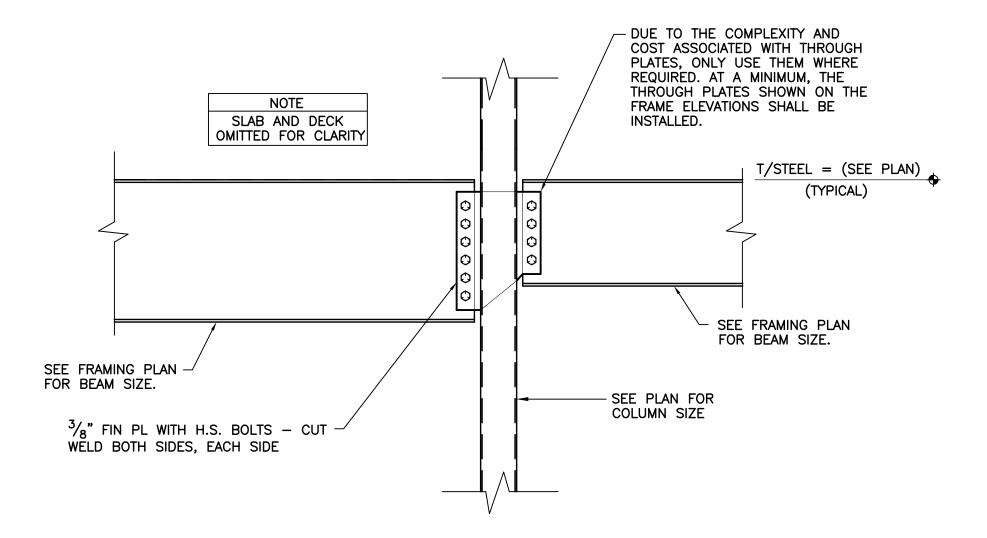
No. Date Description

03/08/23

Sheet Title

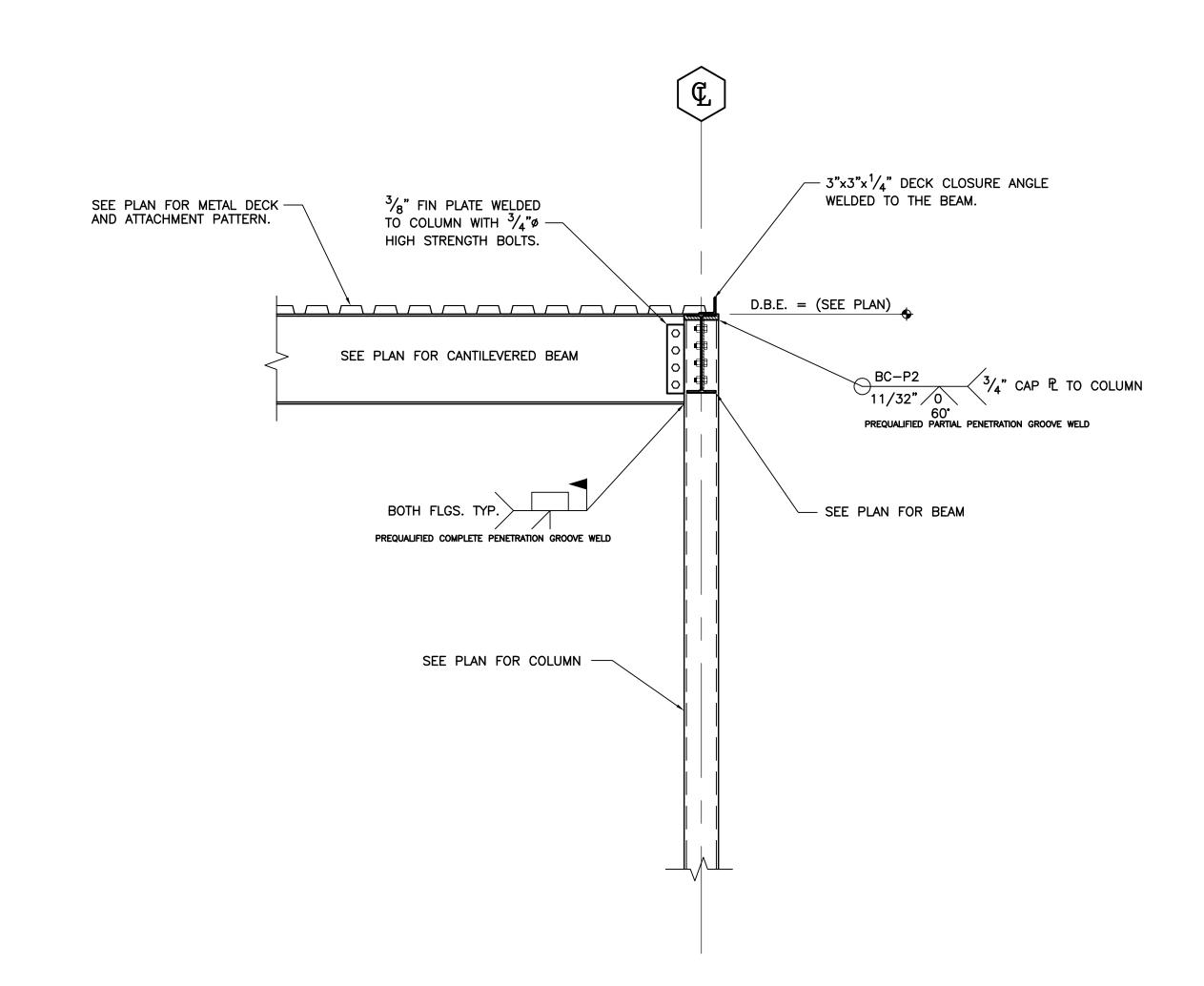
**PAVILION** FRAMING SECTIONS





TYP SHEAR CONNECTION AT HSS COLUMNS

SCALE: 3/4" = 1'-0"



3 TYPICAL MOMENT CONNECTION S4.1 SCALE: NOT TO SCALE

MICHAEL

JON MJM

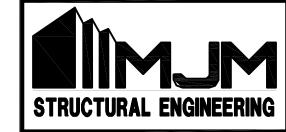
MCCAULEY, P.E.

STRUCTURAL ENGINEERING

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Star



NEVA PAVILION

DATE 03/08/23

Sheet Title

PAVILION FRAMING SECTIONS

S4.1

## GENERAL ELECTRICAL NOTES:

- 1. FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS. SUCH AS LIGHTING FIXTURES, AND SMOKE DETECTORS, SEE ARCHITECTURAL REFLECTED CEILING PLANS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATION.
- 2. PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WIRING DEVICE WITH ARCHITECTURAL ELEVATION TO AVOID CONFLICTS WITH CASEWORK, COUNTER TOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCURS, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
- 3. ALL MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTER OF THE OUTLET BOX UNLESS OTHERWISE NOTED.
- 4. FOR EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES MOUNTED ON EXTERIOR OF BUILDING, ARCHITECTURAL ELEVATIONS SHALL GOVERN
- 5. PRIOR TO ROUGH-IN FOR ALL LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS.
- 6. THE CONTRACTOR SHALL USE CARE WHEN CUTTING OPENINGS FOR OUTLET BOXES IN CMU WALLS. OUTLET BOXES SHALL BE INSTALLED IN CMU WALLS SECURELY WITH EPOXY.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING OUTLET BOX INSTALLATION WITH WALL FINISH (GYPSUM FURRING, TILE, ETC). THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EXTENSION RINGS NECESSARY TO
- 8. ALIGN VERTICALLY AND HORIZONTALLY ALL LIGHT SWITCHES, THERMOSTATS, FIRE ALARM PULL STATIONS, ETC. ALL THESE ITEMS SHALL BE CLUSTERED WHERE POSSIBLE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- 9. COORDINATE MOUNTING OF ALL EXTERIOR DISCONNECT WITH ARCHITECTURAL ELEVATIONS. IF NOT INDICATED ON ARCHITECTURAL ELEVATIONS, REQUEST ELEVATIONS OF DISCONNECT SWITCHES FROM ARCHITECT IN WRITING PRIOR TO ROUGH-IN.
- 10. ALL CONDUITS FOR LOW VOLTAGE OUTLETS SHALL BE DEDICATED TO A SINGLE BOX. NO DAISY CHAINING OR SHARING OF CONDUITS BETWEEN LOW VOLTAGE OUTLET BOXES IS PERMITTED UNLESS SPECIFICALLY INDICATED
- 11. PROVIDE FIELD IDENTIFICATION FOR PANELBOARDS AND SWTCHBOARDS (IF APPLICABLE) PER NEC 408.4. ADDITIONALLY, EACH RECEPTACLE AND DISCONNECT SHALL HAVE A PRINTED LABEL WITH SPECIFIC PANEL AND
- 12. PER NEC 406.12 PROVIDE TAMPER PROOF RECEPTACLES IN THE FOLLOWING AREAS: DWELLING UNITS, COMMON AREAS OF MULTIFAMILY DWELLINGS, GUEST ROOMS AND COMMON AREAS OF MOTELS/HOTELS, CHILDCARE FACILITIES, PRESCHOOLS AND EDUCATIONAL FACILITIES, DORMITORY UNITS, ASSISTED LIVING FACILITIES AND ASSEMBLY OCCUPANCIES PER SECTION 518.2. TAMPER PROOF RECEPTACLES ARE ALSO REQUIRED IN BUSINESS OFFICES, CORRIDORS AND WAITING ROOMS WITHIN CLINICS/MEDICAL OFFICES/DENTAL OFFICES/OUTPATIENT FACILITIES.

## **ABBREVIATIONS**

A	- AMPERES	мсв	- MAIN CIRCUIT BREAKER
A.F.F.	<ul> <li>ABOVE FINISHED FLOOR</li> </ul>	MLO	<ul><li>MAIN LUG ONLY</li></ul>
A.F.G.	<ul> <li>ABOVE FINISHED GRADE</li> </ul>	NTS	<ul> <li>NOT TO SCALE</li> </ul>
BFG	<ul> <li>BELOW FINISHED GRADE</li> </ul>	Р	<ul><li>POLE</li></ul>
С	<ul><li>CONDUIT</li></ul>	PNL	<ul><li>PANEL</li></ul>
ETR	<ul> <li>EXISTING TO REMAIN</li> </ul>	SN	<ul><li>SOLID NEUTRAL</li></ul>
F	- FUSE	U.O.N.	<ul> <li>UNLESS OTHERWISE NOTED</li> </ul>
GFI	<ul> <li>GROUND FAULT CIRCUIT INTERRUPTING</li> </ul>	V	<ul><li>VOLTS</li></ul>
G	<ul><li>GROUND</li></ul>	W	<ul><li>WIRE</li></ul>
KVA	<ul><li>KILO VOLT AMP</li></ul>	WP	<ul><li>WEATHERPROOF/GFI</li></ul>
KW	<ul><li>KILOWATT</li></ul>		•
UTILITY NOTES:			

1. PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED.

## **DEVICE PLATE NOTE:**

ALL COVERPLATES SHALL BE NYLON WITH FINISH PER ARCHITECT. ALL DEVICES (SWITCHES, RECEPTACLES, ETC) SHALL BE FINISH BY ARCHITECT (UON). COORDINATE WITH ARCHITECTURAL PLANS.

## <u>LIGHTING CONTROL COMMISSIONING:</u>

COMMISSION ALL AUTOMATIC LIGHTING CONTROLS IN ACCORDANCE WITH THE 2015 IECC ENERGY CODE. COORDINATE TESTING WITH LIGHTING CONTROLS SUPPLIER.

## ELECTRICAL LEGEND

## LIGHTING



LIGHTING FIXTURE

EMERGENCY LIGHTING FIXTURE AND/OR NIGHTLIGHT AS INDICATED

- EXIT LIGHTING FIXTURE, FACE PLATES (DARKENED) AND DIRECTIONAL ARROWS AS INDICATED. PROVIDE WITH BATTERY BACKUP, UNO. CONNECT AHEAD OF LOCAL SWITCH.
- SINGLE POLE SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- THREE-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- FOUR-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
- DIMMER SWITCH, 46" A.F.F. PROVIDE WATTAGE AS REQUIRED. PROVIDE DIMMER SWITCH COMPATIBLE WITH LED LIGHT FIXTURE.
- PROVIDE WIRING AS REQUIRED FROM DIMMER TO LIGHT FIXTURE. COORDINATE WITH FIXTURE MANUFACTURER.
- THREE-WAY SWITCH WITH PILOT LIGHT, 20A, 120/277 VOLT, 46" A.F.F..
- CEILING MOUNTED OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- WALL MOUNTED SWITCH, 20A, 120/277V, 46"AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
- (2) WALL MOUNTED SWITCHES, 20A, 120/277V, 46"AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED ÈQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER
- WALL MOUNTED DIMMER SWITCH, 20A, 120/277V, 46"AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER
- LOW VOLTAGE OVERRIDE SWITCH FOR LIGHTING CONTROLS, 46" A.F.F. PROVIDE LOW VOLTAGE WIRING AS REQUIRED. COORDINATE WITH LIGHTING CONTROL MANUFACTURER.

- DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N..
- (2) DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F, U.O.N
- DUPLEX ISOLATED GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.. RECEPTACLE BODY SHALL
- DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
- WEATHER RESISTANT RATED, DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNT HORIZONTALLY 18" A.F.F., U.O.N., IN
- CAST OUTLET BOX WITH GASKET DEVICE COVER.
- DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R. MOUNT HORIZONTALLY 6" A.F.F. FOR WATER COOLER.
- SPECIAL RECEPTACLE, AMPERAGE, AND VOLTAGE AS INDICATED, 18" AFF, UON.
- PROVIDE COMBINATION USB CHARGER AND TAMPER RESISTANT RECEPTACLE. LEVITON DEVICE #T5632. COORDINATE LOCATIONS WITH
- RECEPTACLE/TELEPHONE/DATA OUTLETS, FLUSH MOUNT IN FLUSH MOUNTED FLOOR BOX WITH RUBBER OR THERMOPLASTIC CARPET COVER PLATE. PROVIDE NUMBER AND TYPE OF DEVICES PER PLANS. COORDINATE DEPTH OF FLOOR BOX WITH SLAB DEPTH. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 3/4" CONDUIT WITH CONDUCTORS INDICATED FOR SERVICE TO RECEPTACLE OUTLET. PROVIDE (1) 1-1/4" CONDUIT WITH PULLWIRE FROM EACH SPECIAL SYSTEMS OUTLET TO ABOVE NEAREST ACCESSIBLE CEILING FOR SPECIAL SYSTEM WIRING BY OTHERS.

## PANELBOARD



ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE ONE #12 PHASE CONDUCTOR, ONE #12 NEUTRAL CONDUCTOR, AND ONE #12 GROUNDING CONDUCTOR (PLUS ONE INSULATED, ISOLATED GROUNDING CONDUCTOR WHEN SERVING ISOLATED GROUND TYPE DEVICES) IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. MULTIPLE SINGLE PHASE CONDUCTORS SERVING ISOLATED GROUND RECEPTACLES SHALL NOT SHARE COMMON NEUTRALS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. BRANCH CIRCUIT CONDUCTORS IN CONDUIT SHALL BE RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS, IN/OR BELOW FLOORS. EXCEPT IN EXPOSED CONSTRUCTION AREAS. FLUORESCENT LIGHTING CIRCUITS SERVING SWITCHED FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL CONTAIN ONE UNSWITCHED CONDUCTOR. FLUORESCENT DIMMING CIRCUITS SERVING DIMMING BALLASTS SHALL BE PROVIDED WITH WIRING AS REQUIRED BY BALLAST MANUFACTURER. MULTIPLE PHASE LIGHTING CIRCUITS SERVING DIMMED LOADS SHALL NOT SHARE COMMON NEUTRALS.

- JUNCTION BOX.
- DISCONNECT SWITCH, 240 OR 600 VOLTS AS REQUIRED. AMPS, POLES AND FUSING AS NOTED, NEMA 1, U.O.N.
- MOTOR RATED SWITCH. MOUNT WITHIN SIGHT OF EQUIPMENT.
- MOTOR CONNECTION, WITH INTEGRAL DISCONNECTING MEANS.
- $\boxtimes$ STARTER

KEYNOTE.

## SPECIAL SYSTEMS

1

- TELEPHONE/DATA OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 1" (UON) CONDUIT WITH PULLWIRE
- $\nabla$ TELEPHONE OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE
- FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.

FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.

- TELEVISION OUTLET 18" A.F.F., U.O.N. SINGLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE
- FROM OUTLET TO ABOVE ACCESSIBLE CEILING.

TELEPHONE/TELEVISION BACKBOARD, 4' X 4' X 3/4" THICK EXTERIOR GRADE PLYWOOD. MOUNT VERTICALLY WITH BOTTOM OF PLYWOOD 6" A.F.F., U.O.N.

12

11

404-965-1287 tel 404-601-9859 fax

237 Galleria Parkway Suite 1150 Atlanta, GA 30339

**RICKMAN** ARCHITECTURE + DESIGN

224 W MONTGOMERY ST VILLA RICA, GA 30180 678 282 7974

PROJECT

Neva Pavilion

XXX PROJECT ADDRESS

XXX CLIENT ADDRESS

WGRLS

DRAWN BY:

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03/10/2023

SHEET TITLE Electrical

Notes and

Legend

12

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C

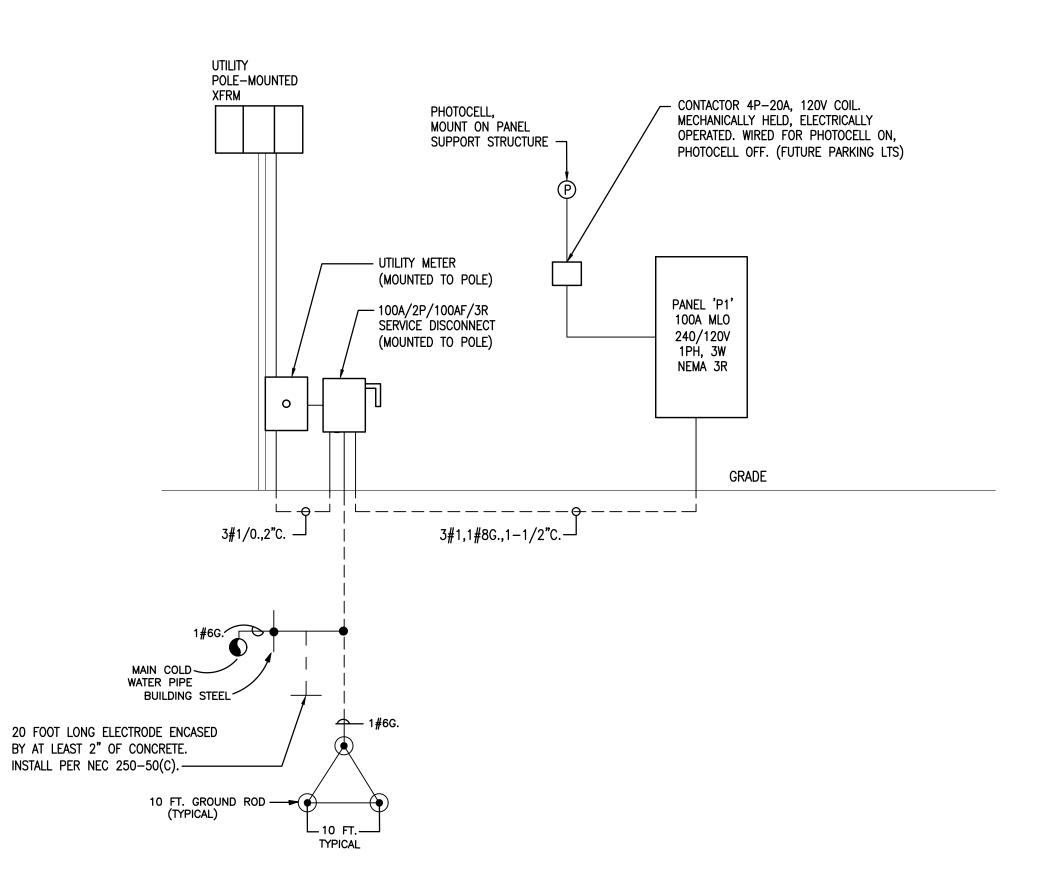
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		LI	GHTING	FIXT	JRE SCHE	DULE		
TYPE	DESCRIPTION	MOUNT	VOLTAGE	LAMP QTY	LAMP WATTAGE/ TYPE	MANUFACTURER	CATALOG NUMBER	NOTES
L1	6'-0" LINEAR FIXTURE. WET LOCATIONS LISTED.	SURFACE	120		36W LED 3500K	MARK ARCHITECTURAL LIGHTING	SL4L-L0P-6-FLP-X-80-3500-600LPF-WL	1
L2	FLEXIBLE. TAPE LIGHTING. WET LOCATIONS.	SURFACE	12V	×	4.4W/FT LED 3500K	MODA LIGHT	AQUA EDGE.	2
4	EMERGENCY BATTERY PACK. WET LOCAITONS LISTED.	WALL	120		FURN WITH UNIT	LITHONIA LIGHTING	ELMRW	

## 1. COORDINATE MOOUNTING METHOD WITH ARCHITECT PRIOR TO ORDERING TRIM KIT. COORDINATE WET LOCATIONS LISTING WITH MANUFACTURER.

2. COORDINATE REQUIRE RUN LENGTHS WITH FURITURE LENGTHS SHOWN ON ARCHITECTURAL DOCUMENTS. PROVIDE QUANTITIES AND FIXTURE LENGTHS NECESSARY TO PROVIDE CONTINOUS ILLUMINCATION ALONG ENTIRE RUNS INDICATED. PROVIDE LOW-VOLTAGE TRANSFOMERS AND CONECTORS AS REQUIRED. ALL ELECTRICAL INFRASTRUCTURE TO BE CONCEALED.

				F	PAI	NE	EL	BC	AF	RE	S	CH	ΙE	Dl	JL	Ε	Р	1							
MAIN: 100 A MLO	VOL	TAGE	: 240	/120	1 PH	ASE 3	WIRE								AIC	22,00	0					М	OUNTING: SURFACE		
				LOAD	) (KVA)												LOAD	(KVA)							
CKT DESCRIPTION	LTO	REC	MTR	A/C	HTG	K∣T	WH	NON E		RIP/ OLE	PHAS E	TRIP/ POLE	BKR TYP	LTG	REC	MTR	A/C	нтс	KIT	WH	NON:		DESCRIPTION		CK1 #
1 PAVILION RECEPTACLES		0.7							20	0/1	Α	20/1										SPARE			2
3 PAVILION RECEPTACLES		0.5							20	0/1	В	20/1										SPARE			4
5 PAVILION RECEPTACLES		0.4							20	0/1	А	20/1										SPARE			6
7 PAVILION LIGHTING	1.0									0/1	В	20/1										SPARE			8
9 SPARE									_	0/1	A	20/1										SPARE			10
11 SPARE										0/1	В	20/1										SPARE			12
13 SPARE										:0/1	Α	20/1	ļ									SPARE			14
15 SPARE										0/1	B	30/2	ļ			2.0						WATER	FEATURE PUMP		16
17 SPARE	4 /10/	<u>,                                    </u>							20	0/1	Α			001	LEA-	2.0	ليبيا	/10.78	Ļ					40.4	18
IGHTING:	1 (KV	4)															OAD	•	):		6.6		DEMAND PER	16.4	
RECEPTACLES:	1.62													DEM	AND	LUAL	(KVA	):			6.9		PHASE (AMPS)	21.2	В
MOTORS:	4																								
VC:	0													CON	NEC:	TEDI	OAD	/ A B 4 C	201.		27.6	ı	AANNEATER BER	1/ 2	
HEATING:	0																.OAD (AMF	•	·0).		27.6 28.6		CONNECTED PER	14.3 21.2	
(ITCHEN: VATER HEATER:	0													DEIM	ANU	LUAD	(AIVIE	-3).			20.0		PHASE (AMPS)	21.2	В
DEDICATED/NONCONTINUOUS:	0													PANE	EL AM	1PACI	TYRE	=ODI	RFD.			28.6			
NOTES:	· ·										F	REAKE	R TYPI										L NEUTRAL		—
NEMA 3R PANELBOARD											L			_0. 0	JI JI	,	31, 01	. 0.11	J. 1 1	, 0	., .,	OIILD	1120111112		



E1 E001 SCALE: N.T.S.

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RICKMAN ARCHITECTURE + DESIGN

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VILLA RICA, GA 30180
radga.com
678 282 7974

PROJECT

Neva Pavilion

XXX PROJECT ADDRESS

WGRLS

XXX CLIENT ADDRESS

# DATE DESCRIPTION

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REVIEWED BY: MR

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21124

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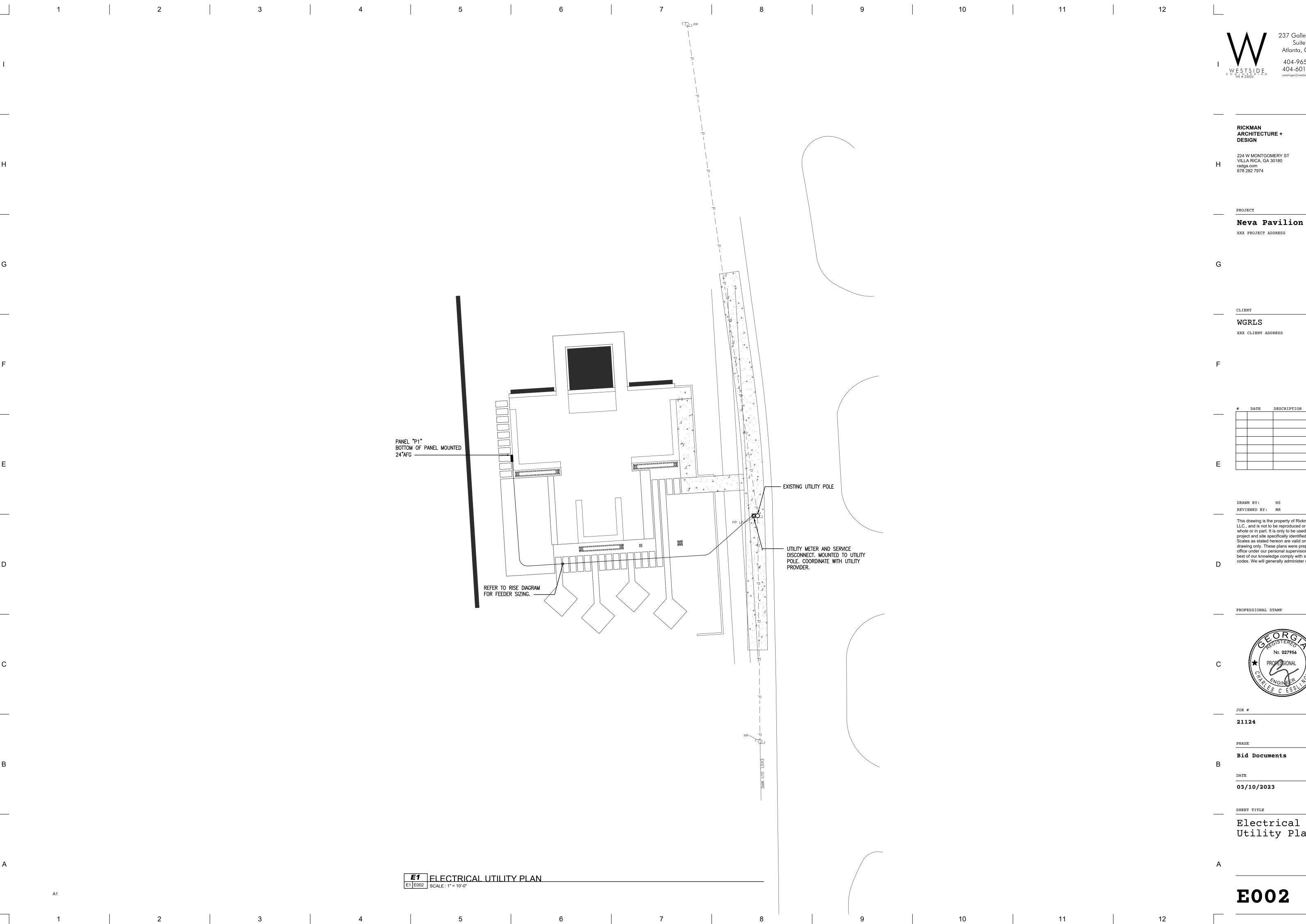
03/10/2023

Electrical

Schedules and Riser

E001

12



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ARCHITECTURE +

224 W MONTGOMERY ST VILLA RICA, GA 30180 radga.com 678 282 7974

XXX CLIENT ADDRESS

DRAWN BY: HS

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PROFESSIONAL STAMP



Utility Plan

E002

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RICKMAN ARCHITECTURE + DESIGN

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PROJECT

Neva Pavilion

XXX PROJECT ADDRESS

CLIENT

XXX CLIENT ADDRESS

WGRLS

DRAWN BY:

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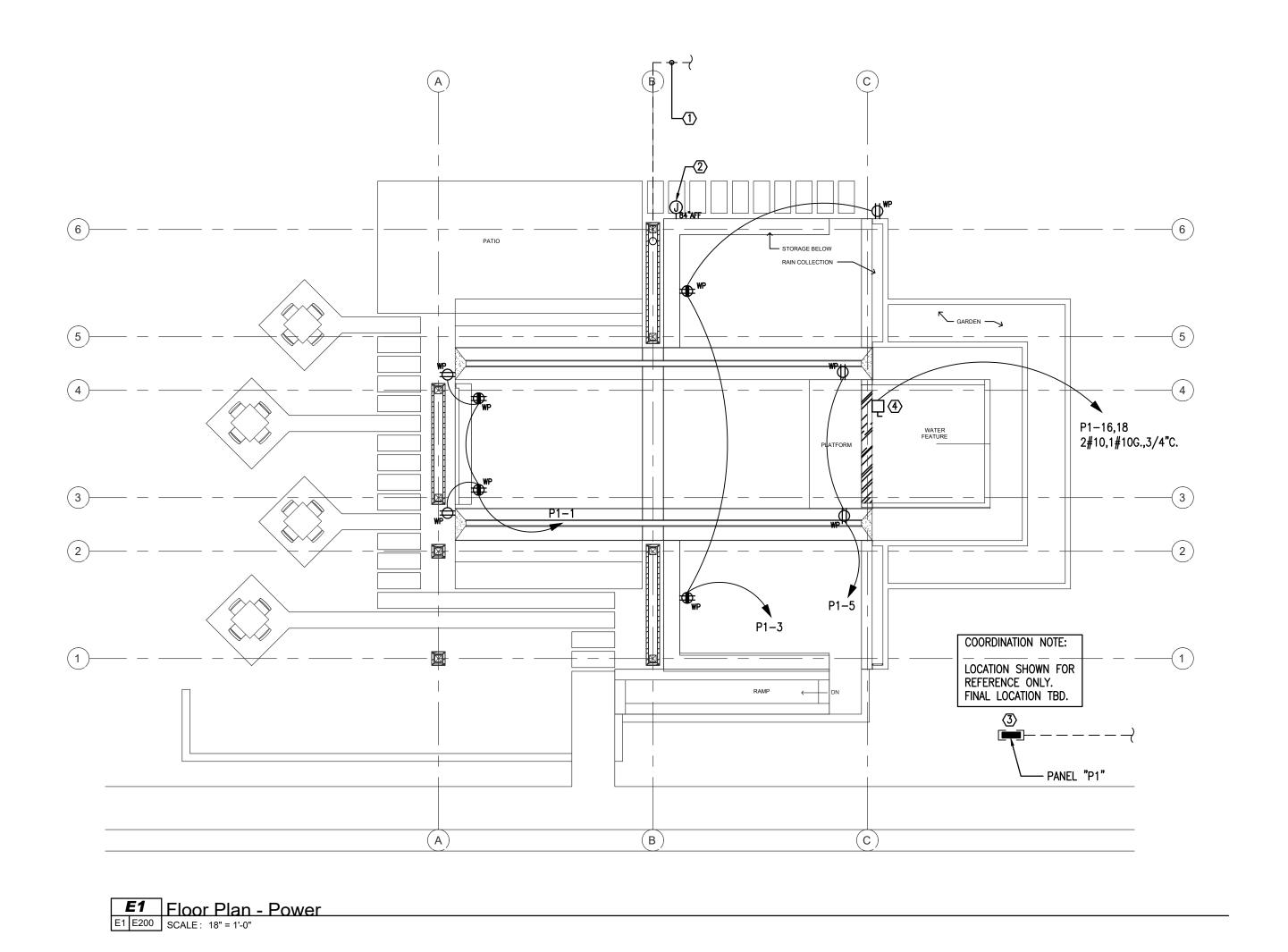
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SHEET TITLE Electrical

Plans

**E200** 

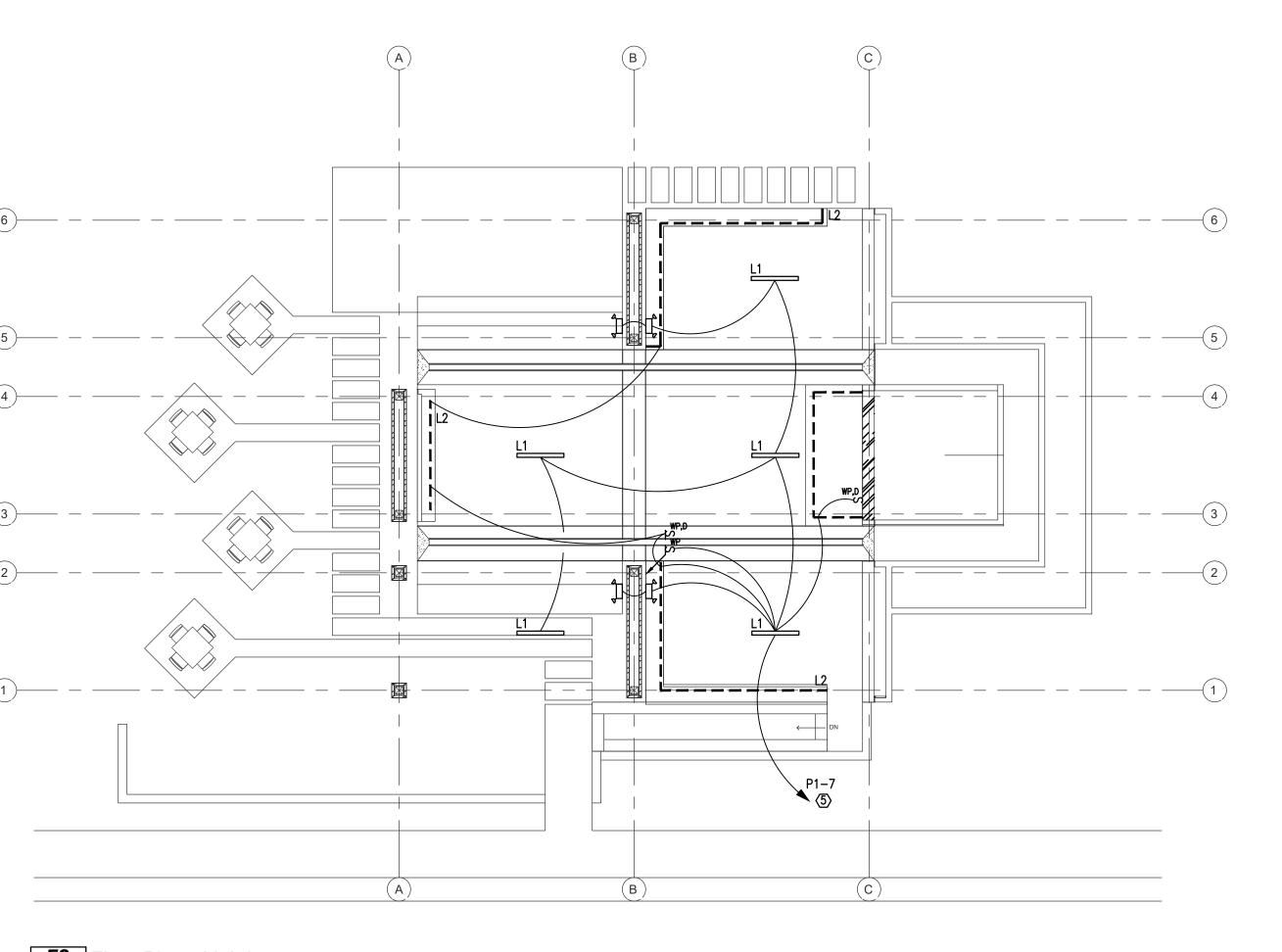




① ROUTE 2" CONDUIT UNDERGROUND FROM LIBRARY MAIN BUILDING FOR LOW-VOLTAGE CABLING. COORDINATE RUN LENGTH, ROUTING AND CONNECTION POINT WITH OWNER'S IT REPRESENTATIVE. STUB UP WITHIN PAVILION WALL.

1 2 3 4 5 6 7 8 9

- ② PROVIDE JUNCTION BOX FOR INSTALLATION OF WIRELESS ACCESS POINT BY OTHER.
- (3) PANELBOARD STRUCTURE. REFER TO RISER DIAGRAM.
- 4 ALTERNATE PRICING NOTE: PROVIDE SEPARATE ALTERNATE PRICE TO PROVIDE CONNECTION TO POTENTIAL WATER FEATURE PUMP. SIZING INDICATED ON PLANS IS APPROXIMATE. COORDINATE WITH FINAL EQUIPMENT PROVIDED.
- ⑤ ROUTE THROUGH LIGHTING CONTACTOR FOR TIMECLOCK CONTROL.



Floor Plan - Lighting
E2 E200 SCALE: 18" = 1'-0"

12

3. PANELBOARDS; FACTORY ASSEMBLED, MINIMUM WIDTH OF 20 INCHES, A MINIMUM DEPTH OF 5-3/4 INCHES, AND MINIMUM MAINS RATED 100 AMPERES, WITH POLE 'SPACES'; BUSSED AND READY FOR INSTALLATION OF PROTECTIVE DEVICES. CABINETS; FULL SIZED SINGLE DOORS WITH CHROMIUM PLATED COMBINATION CYLINDER LOCK AND CATCH AND TWO KEYS. "ABB/GENERAL ELECTRIC" OR EQUAL: TYPE "NLAB" W/ Q-LINE BRANCH CIRCUIT BREAKERS; TYPE "NHB" WITH E-FRAME BREAKERS. 4. PANELBOARD MAINS; COPPER OR ALUMINUM WITH BRANCH CONNECTIONS IN VERTICALLY DISTRIBUTED CONSECUTIVE PHASE SEQUENCE SUCH THAT ONE OR MULTIPLE POLE BREAKERS CAN BE MOUNTED IN ANY POSITION. SOLID NEUTRAL BUS; WITH A FEEDER LUG AND WITH A SEPARATE SET-SCREW TERMINAL FOR EACH BRANCH CIRCUIT POLE. 5. PANELBOARD MOUNTING; TOP OF ENCLOSURE 78 INCHES ABOVE THE FINISHED FLOOR/GRADE, WITH THE BOTTOM OF THE CABINET NOT CLOSER THAN 6 INCHES TO THE FLOOR/GRADE, PROPERLY ALIGNED SUPPORTED INDEPENDENTLY OF THE CONNECTING RACEWAYS. COMPLETE INSIDE CIRCUIT DIRECTORY CARD USING A TYPEWRITER. DISCONNECT SWITCHES; 'HEAVY-DUTY' RATED WITH QUICK-MAKE AND QUICK-BREAK MECHANISMS. PROVIDE GROUND LUGS AND CODE REQUIRED ACCESSORIES. SWITCHES LOCATED OUTSIDE; 'NEMA-3R' ENCLOSED TYPE WITH LOCKING HASP. 7. PROVIDE AN ENCLOSED SWITCH FOR ELECTRICALLY SERVED EQUIPMENT. PROVIDE SWITCHES & FUSES, INCLUDING HEATER ELEMENTS, RATED PER THE CHARACTERISTICS AND NAMEPLATE RATINGS OF EQUIPMENT IN ACCORDANCE WITH CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND CHARTS. PROVIDE SWITCHES WITH CODE REQUIRED ACCESSORIES. 8. FUSED SWITCHES IN BRANCH CIRCUITS; NON-RENEWABLE CARTRIDGE FUSES RATED 250 OR 300 SIZES 1 - 200 AMPS: DUAL ELEMENT, CURRENT LIMITING FUSES, CLASS 'RK-1', OR 'RK-5', SELECTED TO PROVIDE STARTING AND LIMIT LET-THRU CURRENT. OTHER RATINGS, SIZES OR SPECIAL APPLICATIONS AS INDICATED. STATIONARY FRACTIONAL HORSEPOWER MOTORS NOT PROVIDED WITH INTEGRAL MOTOR RUNNING OVERLOAD PROTECTION, OR INHERENTLY PROTECTED BY DESIGN; SWITCHED BY A FRACTIONAL HORSEPOWER STARTER PROVIDING SUPPLEMENTARY PROTECTION 10. STARTERS AND DISCONNECT SWITCHES; ENCLOSED QUICK-MAKE AND QUICK-BREAK MECHANISMS. 11. BRANCH CIRCUIT BREAKERS; MOLDED CASE, AUTOMATIC TRIPPING TYPE, BOLT-ON OR I-LINE CONSTRUCTION, MINIMUM FRAME SIZE OF 100 AMPS AND A MINIMUM TRIP SIZE OF 15 AMPS, CALIBRATED FOR 40°C. PROVIDE SUITABLE TYPE BREAKERS SERVING HIGH INRUSH CIRCUITS FOR 12. GROUP SINGLE-POLE BREAKERS USED FOR MULTI-WIRE CIRCUITS CONSECUTIVELY ON THE SAME CONDUCTORS; SOFT DRAWN, ANNEALED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98 2. CONDUCTOR SIZE NUMBERS; AMERICAN WIRE GAUGE (AWG. SYSTEM, STANDARD TRADE SIZES. 3. CONDUCTORS; COLOR CODED PER CODE AND UTILITY CO. 4. CONDUCTORS: No.10 AWG SIZEAND SMALLER; SOLID OR STRANDED. No.8 AWG SIZE AND LARGER; STRANDED. STRANDED CONDUCTORS; CLASS 'B' OR 'C'. CONTROL CIRCUITS; MINIMUM AWG No.14. POWER AND LIGHTING BRANCH CIRCUITS; AWG # 12 FOR GENERAL CIRCUITS NOT REQUIRING DERATING OR SIZE INCREASE TO RÉDUCE VOLTAGE DROP. USE A SEPARATE LUG FOR EACH CONDUCTOR WHERE MULTIPLE CONDUCTORS ARE CONNECTED TO THE SAME ELECTRICAL TERMINAL POSITION BRANCH CIRCUIT CONDUCTORS: UNSPLICED EXCEPT WHERE CIRCUITS ARE SHOWN TO DIVIDE BY GENERAL WIRING CONDUCTORS OPERATING AT 600 VOLTS AND BELOW; RATED 60 HERTZ, 600 VOLTS, WITH 75oC OR 90oC INSULATION AS FOLLOWS: FEEDER CONDUCTORS: RATED FOR WET LOCATIONS OF 'THW', 'THWN' OR 'XHHW' BRANCH CONDUCTORS RATED FOR: WET LOCATIONS, OR LOCATIONS LOCATED BELOW GRADE OR ENCASED IN SLAB ON GRADE, OF 'THW', 'THWN' OR 'XHHW'.
DRY LOCATIONS OF 'THW', 'THWN', 'XHHW' OR 'THHN'. C. RATED LIGHTING CONDUCTORS FOR CIRCUITS REQUIRING 90°C RATING: 'THHN' OR 'XHHW'. OR OTHER APPROVED TYPE. JOINTS ON CONDUCTORS RATED ABOVE 75oC; TAPED OR MADE-UP WITH MATERIALS HAVING A SUITABLE HIGH TEMPERATURE RATING. **RACEWAYS:** INSTALL WIRING IN METALLIC, RIGID TYPE RACEWAYS ABOVE ACCESSIBLE CEILINGS. MC CABLE SHALL BE PERMITTED TO BE USED IN NON-ACCESSIBLE AREAS. RUN RACEWAYS AND CABLE CONCEALED, EXCEPT RACEWAYS IN EQUIPMENT ROOMS RUN EXPOSED. 3. RACEWAYS IN ORDINARY LOCATIONS: INSIDE (NOT IN WET OR DAMP LOCATIONS OR EXPOSED TO MECHANICAL INJURY); STEEL, ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE. EXPOSED OUTSIDE, THROUGH OUTSIDE WALL OR ROOF, OR THROUGH TWO-HOUR OR MORE RATED FIRE BARRIERS; GALVANIZED RIGID STEEL (GRS) CONDUIT MADE UP WATER TIGHT. FINAL CONNECTION IN DRY LOCATIONS SERVING LIGHTING FIXTURES; FLEXIBLE METAL CONDUIT OR FLEXIBLE METALLIC TUBING. CONNECTIONS TO MOTORS, OR TO COMPONENTS IN WET OR DAMP LOCATIONS, LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LT FLEX). 4. RIGID STEEL GRS, AND STEEL IMC; HOT DIP GALVANIZED 5. STEEL EMT; HOT DIP GALVANIZED OUTSIDE, AND ENAMEL OR GALVANIZED FINISHED INSIDE. 6. EMT COUPLINGS AND CONNECTORS; METAL AS FOLLOWS: \* RAINTIGHT, HEX-NUT, EXPANSION- GLAND COMPRESSION STEEL, FOR ANY WET OR DAMP

SUBMIT SHOP DRAWINGS & PRODUCT INFORMATION FOR THE FOLLOWING:

1. DISTRIBUTION EQUIPMENT; RATED FOR 240 OR 600 VAC, 60 HZ, FAULT CURRENT INTERRUPTING CAPACITY AS INDICATED, IN AMPERES, RMS, SYMMETRICAL, BUT NOT LESS THAN 10,000 AMPS, WITH SOLID NEUTRAL GROUND (S/N); ABB/GENERAL ELECTRIC (ABB-G.E.), SCHNEIDER ELECTRIC/SQUARE-D, SIEMENS-ALLIS ITE PRODUCTS, EATON/CUTLER HAMMER.

DISTRIBUTION EQUIPMENT USING CIRCUIT BREAKER TYPE PROTECTIVE DEVICES; BOLTED-ON OR

\* SERVICE & DISTRIBUTION EQUIPMENT

\* WIRING DEVICES AND COVER PLATES

LOCATION OR FEEDER (OR SUB-FEEDER...

CIRCULAR RACEWAYS; MINIMUM TRADE SIZE AS FOLLOWS:

MORE THAN (3) CONDUCTORS.

3/4-INCH; 'HOMERUN' CIRCUIT WIRING:

1/2-INCH; GENERAL.

\* SET-SCREW OR TAP-ON, STEEL OR CAST METAL, FOR DRY LOCATIONS.

\* LIGHTING FIXTURES AND LAMPS

\* PROTECTIVE DEVICES

8. SIZE RACEWAYS TO ACCOMMODATE THE ENCLOSED CONDUCTORS. PROVIDE JUNCTION OR PULL BOXES TO AVOID EXCESSIVE RUNS OR BENDS BETWEEN OUTLETS, AND AT LOW POINTS IN RACEWAY RUNS. 10. SUPPORT CONCEALED CONDUIT ABOVE THE CEILING INDEPENDENTLY OF CEILING CONSTRUCTION. INSTALL CONDUITS HIGH ABOVE LAY-IN CEILINGS TO PERMIT REMOVAL OF CEILING PANELS OR 11. INSTALL EXPOSED RACEWAYS PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS AND ARCHITECTURAL FEATURES. INSTALL CONCEALED CONDUIT RACEWAYS WITH AS FEW BENDS AS FEASIBLE, COORDINATED WITH STRUCTURAL, MECHANICAL AND ARCHITECTURAL REQUIREMENTS. ROUTE RACEWAYS TO AVOID 'TRAPPING' WHERE PRACTICABLE. **ENCLOSURES AND BOXES:** 1. EQUIPMENT ENCLOSURES, BOXES, & COVERS; GALVANIZED STEEL, MALLEABLE IRON, GRAY IRON, OR COPPER-FREE ALUMINUM. SCREWS; STAINLESS STEEL; ALUMINUM FOR ALUMINUM BOXES. \* FLUSH MOUNTED WITH CONCEALED RACEWAYS OR FLUSH MOUNTED DEVICES. SURFACE MOUNTED TYPE IN EQUIPMENT ROOMS, WITH EXPOSED RACEWAYS AND OTHER SURFACE MOUNTED DEVICES. 3. BOXES FOR USE WITH GENERAL RACEWAY SYSTEMS; 4 INCHES SQUARE OR OCTAGONAL SIZE, NOT BE LESS THAN 1-1/2 INCHES DEEP, EXCEPT WHERE SHALLOWER BOXES ARE REQUIRED BY STRUCTURAL CONDITIONS. 4 BY 2 INCH BOXES; WHERE ONLY ONE RACEWAY ENTERS AN OUTLET BOX, OR WHERE NEEDED TO MATCH DEVICES AND/OR MOUNTING HARDWARE. 4. BOXES FOR RACEWAY SYSTEMS SERVING CEILING 'POWER' GRID SYSTEMS OR LIGHTING FIXTURES; SIZE 4-11/16 INCH SQUARE BOXES, 42 CU. IN. USE EXTENSION RINGS OR LARGER BOXES IF NECESSARY TO MEET CU. IN. CAPACITY REQUIRED BY CODE. ENCLOSURES AND BOXES; VOLUME AND REQUIRED WIRE BENDING AND GUTTER SPACE AND FEATURES TO SUIT CODE REQUIREMENTS. 6. DO NOT INSTALL BOXES BACK-TO-BACK. DO NOT USE THRU-WALL TYPE BOXES. SEPARATE BOXES IN THE SAME FIRE RATED WALL BY EITHER SOLID STUDS, OR A MINIMUM DISTANCE ESTABLISHED BY LOCAL BUILDING OFFICIALS; SEAL CONNECTING CONDUIT TO PREVENT THE TRANSMISSION OF HEAT, SMOKE, AND NOISE, WITH SEALING METHOD AS APPROVED BY THE FIRE MARSHAL. 7. DO NOT USE SUSPENDED CEILING CONSTRUCTION TO SUPPORT RACEWAYS, BOXES OR OTHER ITEMS, EXCEPT AS ALLOWED BY CODE AND ACCEPTED BY THE ARCHITECT IN WRITING. SWITCHES; STANDARD LINE STYLE, MAINTAINED, 15 OR 20 AMPS, 120-277 VAC, QUIET OPERATING, FLUSH MOUNTING, BY LEVITON, 'SPEC-MASTER, COMMERCIAL SPEC. GRADE' SERIES, HUBBELL OR 2. RECEPTACLES; STANDARD LINE STYLE, STRAIGHT BLADE, 2-POLE, 3-WIRE GROUNDING TYPE, RATED 125 VAC, 15 OR 20 AMPS, BY LEVITON, 'SPECMASTER, 'COMM. SPEC. GRADE' SERIES, HUBBELL OR DIMMER SWITCHES; RATED FOR FULL RANGE DIMMING OF 120 VAC LOADS, EITHER FLUORESCENT OR INCANDESCENT, KNOB OR SLIDE CONTROLLED W/ FULL OFF POSITION, FLUSH MOUNTABLE IN STANDARD 1-GANG OR 2-GANG BOXES. ARCHITECTURAL' STYLE, THIN PROFILE TYPES, BY LEVITON, 'COMM. SPEC. GRADE' SERIES, LUTRON OR LITHONIA. 4. GROUND FAULT CIRCUIT INTERRUPTED (GFCI) RECEPTACLES; U.L. LISTED FOR PERSONNEL PROTECTION AGAINST LINE—TO— GROUND SHOCK HAZARD. GFCI RECEPTS.; DUPLEX, 'DECORA STYLE' BY LEVITON, 'COMM. SPEC. GRADE', HUBBELL OR ARROW HART. 5. KEYLESS LAMPHOLDER: WHITE PORCELAIN, 660 WATTS AT 250 VOLTS; LEVITON, CAT. No. 9875-2. LOW VOLTAGE SWITCHES & COMPONENTS: ABB/GENERAL ELECTRIC, 24-VOLT SYSTEM. 7. COVER PLATES: FOR FLUSH, INSIDE, WALL MOUNTED DEVICES: LEVITON. 8. MOUNT DEVICES RECESSED FOR FLUSH INSTALLATION. PROVIDE COVER PLATES FOR EACH DEVICE. 9. ALIGN DEVICES AT DIFFERENT LEVELS VERTICALLY. GROUP DEVICES AT THE SAME LEVEL USING SECTIONAL GANG BOXES. CENTER DEVICES IN ARCHITECTURAL FEATURES. 10. LOCATE WALL SWITCHES ON THE STRIKE SIDE OF A DOOR, SIX (6) INCHES FROM THE OPENING. 11. MOUNT SMALL FLUSH MOUNTED MOTOR DEVICES IN STANDARD DEVICE BOXES. 12. INSTALL WIRING DEVICES WITH TOP-OF-BOX MOUNTING HEIGHTS ABOVE FINISHED FLOORS BETWEEN 18 INCHES AND 48 INCHES, AS REQUIRED BY HANDICAPPED CODES. 13. COVER PLATES FOR FLUSH, DRY, ORDINARY LOCATIONS; STANDARD SIZE ONE PIECE. WIRING DEVICES AND COVER PLATE FINISHES; AS INDICATED BY THE PLANS. PROVIDE ALL LAMPS AT 3500K. UNLESS NOTED OTHERWISE. FIXTURE CRI SHALL MEET OR EXCEED THAT SPECIFIED IN FIXTURE SCHEDULE INCLUDED WITHIN CONTRACT DOCUMENTS. WHERE NO CRI IS SCHEDULE, CRI SHALL BE 80 OR GREATER. ALL LED DRIVERS SHALL HAVE AN OPERATING EFFICIENCY OF AT LEAST 85%, MINIMUM STARTING TEMPERATURE OF AT LEAST -40DEGREES CELSIUS, VOLTAGE INPUT/PHASE AS SPÉCIFIED IN FIXTURE SCHEDULE. 4. ALL LED FIXTURES SHALL COME EQUIPPED WITH INTEGRAL HEAT DISSIPATION SYSTEMS. LED FIXTURES SHALL HAVE LED SOURCES AND DRIVERS THAT ARE ACCESSIBLE FROM THE EXPOSED SIDE OF THE FIXTURE AND DO NOT REQUIRE REMOVAL OF FIXTURE FOR LED SOURCE AND/OR DRIVER REPAIR/REPLACEMENT. FLUORESCENT BALLASTS; HIGH POWER FACTOR (HPF) TYPE, CLASS 'P' PROTECTED, SOUND RATING 'A', AND ENERGY SAVING TYPÉ. FLUORESCENT BALLASTS FOR THE MINI-LAMPS; U.L. LABELED OR ACCEPTABLE TO BUILDING OFFICIALS, ENCAPSULATED, QUIET OPERATING DESIGN IF AVAILABLE. 8. ORIENT FLUORESCENT LAMPS WITHIN THE SAME VISUAL SPACE IN THE SAME DIRECTION. **GROUNDING:** GROUND ELECTRICAL SYSTEMS, EQUIPMENT, AND SUPPORTING STRUCTURES. PROVIDE BONDING JUMPERS WHERE NECESSARY. MECHANICALLY AND ELECTRICALLY SECURE METAL RACEWAYS AND FITTINGS, JOINTS AND CONNECTIONS AT EQUIPMENT TO PROVIDE AN GROUNDING MEANS. METAL RACEWAYS; ELECTRICALLY CONTINUOUS THROUGHOUT THEIR LENGTH FOR AN EFFECTIVE GROUNDING PATH TO THE POWER SERVICE DISCONNECT SWITCH. INSTALL GROUNDING CONDUCTORS WITHOUT JOINT OR SPLICE TO THE GREATEST PRACTICAL PROVIDE FOR EACH RACEWAY A GREEN #12 GROUNDING CONDUCTOR IN ADDITION TO BRANCH CONDUCTORS INDICATED. 4. DO NOT SPLICE MAIN BONDING JUMPER. CONFIRM THAT A MAIN BONDING JUMPER IS PROVIDED AT THE POINT OF SERVICE ONLY. TEST INDIVIDUAL SYSTEMS AND COMPONENTS FOR FULL FUNCTIONAL REQUIREMENTS. PERFORM TESTS AS REQUIRED BY CODE, LOCAL PRACTICES, OR AS REASONABLY REQUIRED BY THE OWNER'S REPRESENTATIVE WHÉRE A QUESTION ARISES AS TO THE PROPER INSTALLATION OR OPERATION OF MATERIALS.

2. PROVIDE TESTING INSTRUMENTS, PROCEDURES, AND DOCUMENTATION.

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SELECT, SIZE, AND ASSEMBLE FOUNDATIONS, SUPPORTS, AND FASTENERS.

BOLTS, BEAM CLAMPS, OR DRIVEN OR WELDED STUDS ON STEEL WORK TOGGLE BOLTS ON HOLLOW TILE OR CONCRETE BLOCKS

3. MAJOR COMPONENTS OF THE DISTRIBUTION SYSTEM SUCH AS THE PANELBOARD SHALL HAVE PERMANENT NAMEPLATES FOR EQUIPMENT IDENTIFICATION.

4. SEAL CONDUITS ROUTED BETWEEN SPACES OF DIFFERENT AMBIENT TEMPERATURES, SUCH AS REFRIGERATED SPACES OR OUTDOOR AREAS, TO PREVENT CIRCULATION OF AIR.

5. INSTALL RACEWAY OR CABLE, ETC. THAT PENETRATES A FIRE BARRIER, WITH MATERIALS AND METHODS APPROVED FOR APPLICATION BY BUILDING OFFICIALS. IDENTIFY EACH FIRE BARRIER

FROM THE ARCHITECTURAL PLANS, AND FOR SECURE APPROVAL OF MATERIALS AND METHODS FOR

1. CONTACT THE TELEPHONE CO., COORDINATE THE WORK TO MAKE THE INSTALLATION READY FOR THE TELEPHONE COMPANY, INCLUDING CABINETS, RACEWAYS AND PULL WIRES, RACEWAY SYSTEM BOXES, DEDICATED ELECTRICAL BRANCH CIRCUITS AND RECEPTACLES, DEDICATED GROUNDING

PROVIDE COMPLETE ENCLOSED RACEWAYS WITH MEASURED PULL CORDS FOR FUTURE USE BY

OTHERS. PROVIDE A 3/4" PVC CONDUIT FROM EACH MAIN CABINET OR BACKBOARD LOCATION TO NEAREST ACCESSIBLE, GROUNDED, METAL COLD WATER PIPE, AND A #6 SOLID COPPER CONDUCTOR BONDED TO THE WATER PIPE AND COILED FOR USE IN GROUNDING EQUIPMENT.

STEEL ANCHORS OF THE SELF-DRILLING OR NON-DRILLING TYPES ON SOLID CONCRETE OR

POWER DRIVEN STUDS MAY BE USED ON STEEL AND SOLID CONCRETE WHERE ACCEPTED

FASTENINGS FOR SECURING CONDUIT RUNS, LIGHT APPARATUS.

BY THE OWNER'S REPRESENTATIVE.

CONDUCTORS, AND MISCELLANEOUS MATERIALS OR DEVICES.

TELEPHONE SYSTEM ROUGH-IN:

11

11

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RICKMAN ARCHITECTURE + DESIGN

VILLA RICA, GA 30180

PROJECT

Neva Pavilion XXX PROJECT ADDRESS

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JOB #

21124

Bid Documents

DATE

03/10/2023

SHEET TITLE

Electrical Specifications